Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 156 No. 9 August 29, 1949

RECEIVED
AUG 29 1949
THE CHEMISTS' CLUB
LIBRARY

PENTALENES
(Amylnaphthalenes)

For additional information, write to Dept. O:

SHARPLES CHEMICALS INC.
PHILADELPHIA 9
CHICAGO 4
NEW YORK 1

SHARPLES TRADE MARK CHEMICALS

ACETIC ACID
Glacial - 84% - 80% - 70% - 56% - 28%
Tank Wagons Barrels Carboys
DOMESTIC • EXPORT

WM. S. GRAY & CO.
342 MADISON AVENUE, NEW YORK 17, N. Y.
Cable Address: GRAYLIME Phone MUrray Hill 2-3100

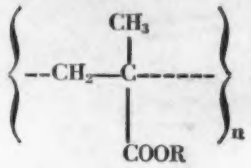
CALCIUM NITRATE

Baker's Analyzed Reagent Fine Chemicals

J. T. Baker Chemical Co. Phillipsburg, N. J.
NEW YORK · PHILADELPHIA · LOS ANGELES · BOSTON · CHICAGO

USE DU PONT
HYPALON
TRADE-MARK

Synthetic Resins



These GRANULAR METHACRYLIC ESTER POLYMERS have outstanding possibilities for use in the manufacture of Adhesives, Paper Coatings and Specialty Finishes.

- "HYPALON" P1 R is Methyl
- "HYPALON" P2 R is Ethyl
- "HYPALON" P4 R is Normal Butyl
- "HYPALON" P5 R is Isobutyl
- "HYPALON" P6 R is 50-50 Butyl-Isobutyl

For information write
AMMONIA DEPARTMENT

DU PONT REG. U.S. PAT. OFF.
E. I. du Pont de Nemours & Co. (Inc.)
Wilmington 98, Delaware

HIGH-PRESSURE CHEMICALS SYNTHETICS

BETTER THINGS FOR BETTER LIVING . . . *THROUGH CHEMISTRY*

SODIUM TUNGSTATE

TUNGSTIC OXIDE
SODIUM MOLYBDATE
AMMONIUM MOLYBDATE
MOLYBDIC ACID
MOLYBDIC OXIDE

PRIOR CHEMICAL CORPORATION - NEW YORK
420 Lexington Avenue

Selling Agents for
CHEMICAL DIVISION
MOLYBDENUM CORPORATION OF AMERICA

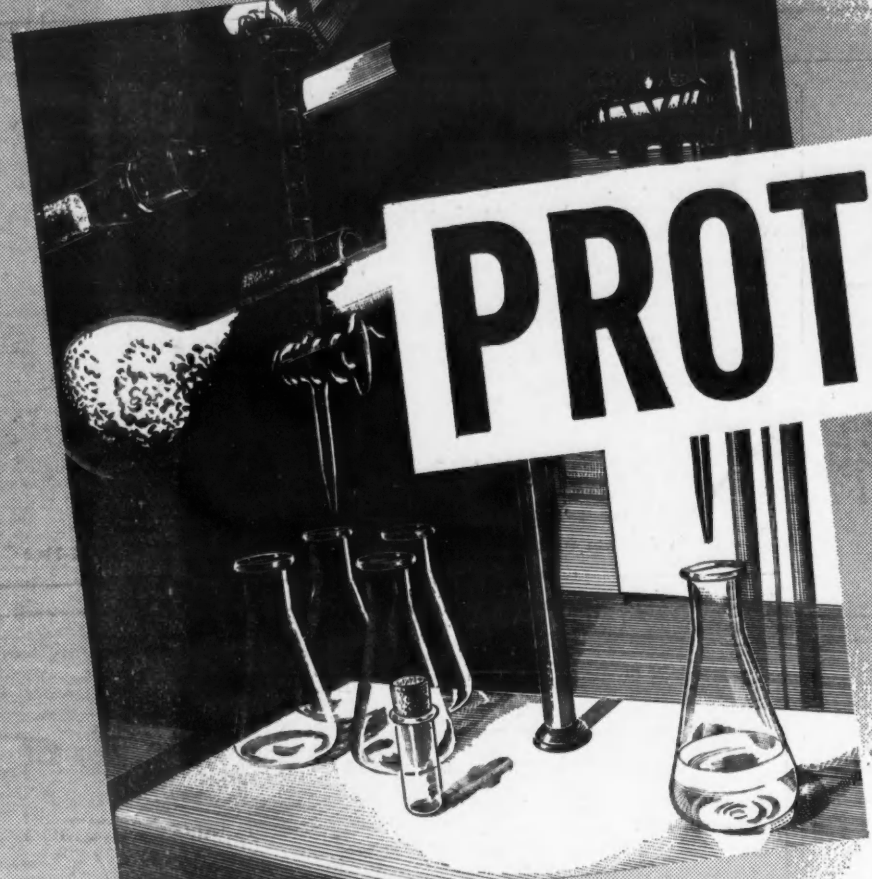
CABLE: PRIORCHEM NEW YORK
PHONE: LExington 2-9811
TELETYPE: NY-1-2054

BORAX and BORIC ACID

- Sodium Metaborate
- Potassium Borate
- Ammonium Biborate
- Ammonium Pentaborate

TECHNICAL • U.S.P. • SPECIAL QUALITY • CRYSTAL
GRANULATED • POWDERED • IMPALPABLE • ANHYDROUS

PACIFIC COAST BORAX COMPANY
51 MADISON AVENUE, NEW YORK 10, N.Y. • CHICAGO 16 • LOS ANGELES 14



PROTECTION

for your

ANTACID PREPARATIONS

Which of these Baker Fine Chemicals best suits your formula?

ALUMINUM HYDROXIDE
Available in three densities

MAGNESIUM OXIDE
Three different types and densities

BISMUTH SUBGALLATE
A clear yellow powder

BISMUTH SUBSALICYLATE
High Chemical Purity

BISMUTH SUBCARBONATE
Four densities and a suspension grade

BISMUTH SUBNITRATE
High purity for ingredient use or synthesis

MAGNESIUM CARBONATE
Two uniform densities

MAGNESIUM HYDROXIDE
For making tablets

MAGNESIUM TRISILICATE
Medium and light densities

MAGNESIUM PHOSPHATE
A free-flowing powder

Your company is proud of the formula it has developed for an antacid preparation.

Through rigid manufacturing and continued laboratory control you intend to maintain the reputation of that product and your good name.

Nothing is more essential to the fulfillment of such an intention than insistence *at all times* on quality fine chemicals—the vital ingredients of any antacid formula.

It is important that each fine chemical be the *right* one for your formula—that each be extremely pure—that each be regularly available to uniform physical standards. These things are your protection.

On this page are listed several Baker Fine Chemicals for antacid preparations. In this list, or in the Baker line, there is the *right* one for you. Whichever it is, that fine chemical brings you purity *to the decimal,* and is available on a tonnage basis.

No matter what product you manufacture—if it requires one or more fine chemicals of *measured purity*—specify Baker!

Address: *Fine Chemical Division,* J.T. Baker Chemical Company, Phillipsburg, New Jersey.

Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIKL

AUG 29 '49

Oil, Paint and Drug Reporter

Volume 156 No. 9 | New York 7, N. Y. | August 29, 1949

Chemical Buying Under Marshall Plan Detailed

Authorizations were issued to Marshall plan countries during the month of July by the Economic Cooperation Administration for the purchase of $7,300,000 of chemicals and related products, raising the total of all such authorizations from the beginning of the ECA program to $161,000,000.

The July authorizations and the cumulative totals shown in parentheses for each category of chemicals and related products were as follows:—medicinal and pharmaceutical preparation, $3,200,000 ($34,300,000); industrial chemicals, excluding alcohol, $2,500,000 ($23,300,000); alcohol, none ($13,900,000); pesticides, none ($1,800,000); other and unclassified, $1,600,000 ($87,700,000).

Fats and oils authorizations totaled $7,400,000, making a cumulative total of $261,300,000. The breakdown was:—peanuts, none ($50,700,000); soybeans, $4,200,000 ($33,700,000); copra, $30,000 rescinded ($30,400,000); flaxseed, $800,000 rescinded ($29,000,000); oilseeds, $100,000 rescinded ($11,300,000); lard, $2,000,000 ($39,300,000); tallow, $1,100,000 ($17,900,000); soybean oil, $200,000 ($13,300,000); linseed oil, $200,000 ($8,700,000); whale oil and fish oils, none, ($7,500,000); soap, soap stock and fatty acids, $600,000 rescinded ($4,100,000); other and unclassified $1,500,000 ($15,400,000).

Other totals were:—oilcake and oilcake meal, $7,600,000 ($43,700,000); nitrogenous fertilizer, $200,000 ($22,500,000); other fertilizers, $700,000 rescinded ($14,800,000); petroleum and petroleum products, $5,900,000 ($575,700,000); copper, $13,300,000 ($180,900,000); aluminum, $100,000 ($63,900,000); zinc, $4,200,000 ($60,000,000); lead, $100,000 ($50,800,000); brass and bronze, $300,000 ($7,600,000); nickel, $600,000 ($7,000,000); tin, none ($1,800,000); other, including precious metals, $1,900,000 ($7,700,000); hides, skins and leather $3,000,000 ($61,900,000); nonmetallic minerals $3,400,000 ($47,900,000); naval stores, $400,000 ($18,100,000).

ECA Announces Additional Procurement Authorizations

Among new procurement authorizations to Marshall Plan countries announced by the Economic Cooperation Administration during the period August 23 through August 25, were the following:—

To Austria—$60,000 for hides and skins from the United States.

To Belgium-Luxembourg—a decrease of $830,000 for metallic ores and concentrates from Canada.

To Denmark—$1,740,000 for petroleum from the United States.

To French Zone Germany—A decrease of $540,000 for nonmetallic minerals from Portugal.

To Greece—$267,000 for petroleum from the United States; $666,000 for the same from the Middle East and $267,000 for the same from Latin America.

To Ireland—A decrease of $16,000 for petroleum from the United states; a decrease of $314,000 for the same from Latin America; a decrease of $24,000 for leather from the United States.

To Netherlands—$27,000 for nonmetallic minerals, $76,000 for zinc, a decrease of $621,000 for chemicals, excluding fertilizers and synthetic rubber, a decrease of $45,000 for industrial alcohol, a decrease of $12,000 for medicinal and pharmaceutical preparations, a decrease of $37,000 for essential oils, all from the United States; $1,864,000 for petroleum from Latin America; a decrease of $440,000 for petroleum from the Middle East.

To Norway—$600,000 for petroleum from the United States; $3,600,000 for petroleum from Latin America.

To Sweden—$1,915,000 for petroleum from the United States; $1,500,000 for the same from Latin America; $600,000 for the same from the Middle East.

To United Kingdom—$233,000 for nonferrous ores and concentrates from the United States; $2,000,000 for copper from Latin America.

Copper Exports Eased

The Office of International Trade Announced on August 26 the establishment of an open end quota for exports of copper scrap for the remainder of the third quarter of this year.

Price Trend Makes Slight Gain

Price views were somewhat mixed last week in the markets for chemicals, oils, and drugs. Most of them had an upward slant, but the numerical proportion was not in keeping with the extent, and the net gain was but slight. The rise in the overall index number was 0.1 point, which left it 15.0 points, or 10.4 percent, below the comparable 1948 mark.

Most of the slight gain was attributable to oils and fats; but, in spite of successive advances for seven weeks, the index of that group is still 36 percent below where it was a year ago. The price movement in fats and oils was mixed. Cottonseed oil was over on the downside; linseed oil had turned upward. Animal fats and oils, and their fatty acids were advanced a little. So were the acids of some vegetable oils which were reduced. However lead linoleate and tallate and zinc linoleate were reduced. Lead naphthenate was upped.

Botanical drugs were closely divided, with a bit extra on the downside. Spices also were split; cassias were advanced; black pepper was reduced. Aromatic oils, also divided, were slightly stronger; menthol got a boost. Santonin prices were withdrawn. Nonferrous metals were pricewise inactive, the only movement being an advance in silver, its nitrate, and its cyanide. The inactivity of other inorganic materials was broken only by an advance in optical grade cerium oxide.

There was no further change in corn derivatives, but two other starches were advanced; so was casein.

Almost all divisions of the markets reported more activity in demand. For the most part, the increases were spotty, and small, rush orders were still the rule. Some are beginning to think that that is to be the permanent buying policy with respect to chemicals and related industrial materials. They reason to that conclusion from the premise that buyers know that supplies are ample and will continue so because some fair measure of production must be maintained. In that knowledge, purchasers are willing to let producers carry the inventories. They find support for their position in the reports that, even in what is usually the heavy grain-moving season, the railroads have no shortages of freightcars. So, industrial materials can be moved at any time. Another aspect is that, if producers slow up enough to create or even threaten a shortage, the government trustbusters are alerted for yelps about restraint of trade.

Some of the increased demand for coal-tar chemicals was believed to be stimulated by fears that there would be a steel strike and that the result naturally would be reflected in supplies of coke by-products. Demand for petroleum solvents of similar properties also was reported bigger. But, there was not much outside evidence of the shakes which have afflicted the inner circles of ammonium sulphate because of the steel situation.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Aug. 26, 1949	Aug. 19, 1949	Aug. 27, 1948
129.3	129.2	144.3

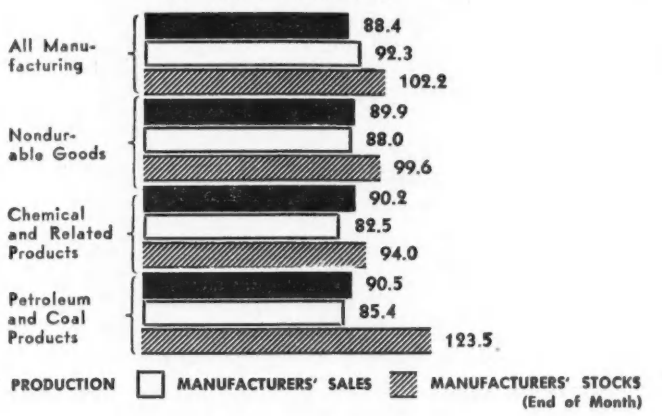
The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1949	1948	1947	1946	1941
January	142.0	150.4	150.9	135.3	107.3
February	140.4	147.2	151.9	135.4	110.3
March	137.6	146.2	154.9	135.2	111.9
April	133.6	146.2	152.3	134.9	115.5
May	131.2	146.7	146.1	135.1	118.2
June	128.7	147.3	143.9	135.4	121.9
July	128.1	145.9	142.5	137.7	125.5

Business in June, 1949

100=Same Month in 1948



Minerals Conservation Board Creation Asked

The Senate committee on interior and insular affairs last week ordered out a favorable report on S. 2105, sponsored by Senator Joseph O'Mahoney of Wyoming to stimulate exploration and conservation of strategic minerals.

The bill, which has the support of the Administration, would establish a new minerals conservation board, headed by the Secretary of the Interior, to promote exploration and conservation of minerals and metals. The board would share in the cost of exploration projects and of maintaining a mining property in stand-by condition, and purchase all or any part of the metals or minerals resulting from operation of such a deposit.

Chemical Trade Data Offered

Chemical Statistics Directory No. 2, an index of government statistics on the chemical industry, will be available for distribution from regional offices of the Department of Commerce during the first week of September. The directory is a supplement and not a substitute for directory No. 1, issued by the department in 1947, of which 4,500 copies have been distributed. The new directory will be available at 20 cents a copy from the regional offices.

Alphaestradiol Has No Potency Standard

The Food and Drug Administration last week advised manufacturers and distributors of estrogenic hormone preparations against the labeling of their products with a declaration of potency of alphaestradiol in terms of international units, or in terms of international units of estrone activity. The only labeling considered appropriate, it was stated, is the declaration of the alphaestradiol content in terms of weight.

The agency's notice to the industry says that the only international unit is that for the hydroxy ketonic hormone, estrone; that there is no international unit for measuring the activity of alphaestradiol and no accepted relationship between its activity and that of estrone, either in test animals or in humans. The declaration of potency of alphaestradiol in terms of international units or in terms of international units of estrone activity is therefore considered misleading, within the meaning of 21 U.S.C. 352(a).

Corn Support Program Set

The Department of Agriculture announced on August 22 that the Commodity Credit Corporation will support 1949 crop corn at 90 percent of the corn parity price as of October 1, 1949.

Caustic Poisons Act Revision Proposed

A broadening of the caustic poisons act to give the Food and Drug Administration enlarged powers to require distinctive labeling of household poisons has been recommended to Congress by the Agency, it was disclosed last week by Dr. Paul B. Dunbar, commissioner of FDA

The suggestion was contained in a letter to Chairman Edwin Johnson of Colorado of the senate interstate commerce committee in commenting on a bill (S. 2193) of Senator Claude Pepper of Florida which would prohibit the interstate movement of any poisonous substance except in packages that could be readily recognized as a poison by touch.

The Food and Drug Administration did not take a position either for or against the Pepper bill in its letter to Chairman Johnson. It stated that it was aware of the needless tragedies that have occurred through accidental consumption of household poisons and was sympathetic to the desire of Mr. Pepper to write new safeguards in the law.

It proposes, however, that the caustic poisons act be broadened so as to give to the administrator of the Federal Security Agency authority to add additional household poisons to the present list of poisons required to be distinctively labeled as a poison. Such additions to the list would be made only after a hearing and a finding that the substance was dangerous.

It was also proposed that in addition to adding new products to the list, the administrator be given authority to require that the product be packaged in a distinctive container in line with the intentions of the Pepper bill. The authority to add new poisons to the list would also include drugs of a poisonous nature.

Another suggestion contained in the letter was that the committee might wish to contact the Department of Agriculture to obtain its views on the advisability of amending the Federal insecticide, fungicide and rodenticide act in the direction of enlarging the department's powers so as to require distinctive packaging of insecticides.

Brannan Opposes Diversion Of Surplus Grain to Alcohol

Secretary of Agriculture Charles Brannan has expressed opposition to the diversion of the country's surplus stocks of grain to the production of alcohol, it was disclosed last week with the publication of correspondence between the secretary and Senator Guy M. Gillette of Iowa.

The secretary said that our large stocks of grain do not necessarily represent surplus available for alcohol, as there are, in the immediate future, feed and food needs in the world and our own need for adequate reserves. In view of this, he said, he could not subscribe to a program of diversion of grain to alcohol.

In reply, Senator Gillette said that he could not agree that all of the grain was needed for food and feed purposes, but, even if the secretary was correct, the government's three grain alcohol plants in the west should not be allowed to fall into disuse or be sold. The prospect of future grain surpluses, the senator said, makes it imperative that the plants be available for the process of surplus grains.

Senator Gillette also expressed the hope that, in the event Congress is unable to take action that will prevent the sale of the three plants, the Secretary of National Defense will hold the plants in standby condition. He said that it has been determined that the army has funds for this purpose.

Carson Approved for FTC

The nomination of John Carson to be a member of the Federal Trade Commission to fill the unexpired seven-year term of Robert Freer, who resigned on January 1, was approved August 24 by an 8-4 vote of the senate interstate commerce committee. The term runs until September 26, 1952.

Mr. Carson's nomination had been opposed by certain business groups on the grounds that he was not qualified for the job because of past statements attributed to him which reflected on the capitalistic system of free enterprise.

Tin Use Controls Removed by U. S.

Restrictions on the uses of tin, regulated since early in the war, were eliminated on August 26 in a sweeping revision of the Department of Commerce basic tin conservation order M-43, and by revocation of conservation order M-81. Amendment of M-43, effective immediately, also provides for the relatively free import of the metal by private business.

Effective date of the revocation of M-81 is December 1, 1949. This order sets specifications for the use of tin in the manufacture of cans. The specification restrictions on closures for certain food containers, presently embodied in order M-43, also will be lifted December 1.

The action is in keeping with the department's announced intentions to decontrol tin as quickly as supplies appeared adequate to meet the needs of all industry and of the strategic stockpile.

Latest estimates of world production and consumption, reached at the recent conference of the International Tin Study Group in London, are as follows:—production for 1949, 170,000 tons; for 1950, 190,000 tons; for 1951, 205,000 tons. Estimated consumption figures are 138,000 tons in 1949; 158,000 tons in 1950; and 162,000 tons in 1951.

Although end-use restrictions of M-43 are eliminated, the general framework of the order remains in effect and the following controls will continue to be exercised by the Commerce Department:—Allocation of all pig tin: inventory controls of pig tin and all materials containing tin; reports by holders, distributors, importers, and users of tin, and import controls on pig tin and materials containing tin.

Controls over tin imports by private firms will be maintained under the authorization procedure established earlier in the year to regulate imports of off-grade metal and now expanded to permit relatively free private import of all grades of pig tin.

All pig tin containing less than 99.65 percent of tin, including stocks of these grades held by the Reconstruction Finance Corporation, and all private imports of pig tin of any tin content, will be allocated to manufacturers without regard to end use or present allocation quotas.

RFC stocks of pig tin containing more than 99.65 percent of tin will be distributed to users according to present allocation quotas, after consideration is given to all other receipts by them of such grades. Allocations of these RFC stocks are being continued as an interim measure, pending reestablishment of private supply channels. As privately held supplies increase, allocations from RFC stocks will be curtailed, and discontinued on a date to be announced.

Tennessee Eastman Plans Texas Plant

Tennessee Eastman Corporation, Kingsport, Tenn., plans construction of a new plant near Longview, Tex., for the manufacture of basic raw materials used in the Kingsport operation. Construction of the first manufacturing unit will start as soon as engineering designs are completed, and initial operation is expected to start late in 1950.

Ammonium Sulphate Plant Completed by Finney Co.

The Finney Chemical Corporation, Houston, Tex., has completed construction of a new ammonium sulphate plant in that city and plans to put it in operation by September 15. Ammonium sulphate is a new product for the Finney firm, which is a producer of caustic soda and other alkalies.

Trifluoroacetic Acid Available from 3M

Research-size samples of trifluoroacetic acid are now being offered for sale at $10 per pound by Minnesota Mining & Manufacturing Company, St. Paul. It is the first in a group of flourinated acids to be offered by the company, who reports it may prove useful in the preparation of such products as dyes, pharmaceuticals, resins and plastics.

Sigma Has Phenolphthalein Glucuronide Commercially

The Sigma Chemical Company, St. Louis, Mo., has commenced commercial production of phenolphthalein glucuronide. The company also has menthol flurcuronide available. Prices and technical data on the products may be obtained from the company at 4648 Easton avenue, St Louis.

Contents of This Issue

Acrolein Price Reduced 4
Alcohol Tax Drawback Plea Vetoed 4
Allen 60 Years with Bemis 39
Alphaestradiol Has No Potency Standard .. 3
Amer. Cyanamid Has New Resin Binder 67
Ammonium Sulphate Plant Completed 4
Atlas Names Heiberger 66

Bauxite Shipping Rates Assailed 4
Blake Leaves Monroe Sander 5
Brazilian Castor Oil Freight Reduced 52
Brooklyn Polytech Offers Paint Courses 68

Campbell Appoints Five Distributors 68
Carbexport Compliance Accepted 68
Carson Approved for FTC 3
Caustic Poisons Act Revision Proposed 3
Celanese Making Isobutyl Alcohol 4
Chem. Buying Under ECA Detailed 3
Chem. Emulsifiers in Foods Defended 5
Chemical Industry Borrowing Reported 53
Chemical Trade Data Offered 3
Chen Gets WHO Post 51
Cochrane Advances Applebaum 75
Copper Exports Eased 3
Corn Support Program Set 3
Corbin Discusses Industrial Finishes 67
Cottonseed Loan Program Broadened 4

Deep Rock Names Murphy 5
Detrex Appoints Four 73
Du Pont Shifts Four in Organics Div 5

ECA Allocates Funds for Turkey 52
ECA Authorizes More Procurement 3
ECA Requests Wax Refund 68
Edcan Develops Flask Ring 51

Fair Trade Bureau Issues Newsletter 51
Ferro Chemical Issues Stabilizers Data 66
Fertilizer Tag Sales: July 38
Fish Oils Production Declines 4
Forbes Gets Army Post 57

Glidden Names Martin to Chicago Post 67
Grain Surplus Diverson to Alcohol Opposed . 3
Green Book Error on "Ovimpex" 59

Harte Gets Sharp & Dohme Post 57
Houghton Reorganizes Eastern Sales 5
Hyman Tradenames Two Insecticides 39

Lewis Leaves Lewis Chemical 62
Liquefied Petroleum Gas Deliveries Up 5
Lueders Names Livingston Southern Agent .. 62

Innis, Speiden Elects Sheffield 4

Margarin Output: June 71
Miller Sales Co. Formed 51
Minerals Conservation Board Asked 3
Monsanto Names Two 67
McDougall-Butler Advances Schleicker 66
McK. & R. Advances Orchard 51

Nat'l Safety Council Plans Meeting 7
NY Paint Groups Plan Symposium 67
NY State Joins Water Pollution Compact .. 55

OEEC Distributing Technical Reports 73
Oils, Fats Consumption: April-June 7
Oil Lands Released by US 73
Opiates List Expanded 4

Pacific Chemical Show Program Set 7
Packaging Institute Plans Forum 7
Penola Moves to New York 53
Phillips Names Kruger 5
Plax Reduces Bottles Price 51
Pressed Steel Tank Names Brooks 53

Richfield Oil Building New Office 45

Sage Wins Petroleum Award 67
Shell Oil to Consolidate 5
Sigma Has Phenolphthalein Glucuronide 4
Soy Bean Crush: June 70
Spencer Advances Byrd 74
SPI Appoints Amos 7

Tenn. Eastman Plans Plant 4
Tin Use Controls Removed 4
Trifluoroacetic Acid Available 4

Vegetable Oil Imports: January-June 68
Velsicol Forms Foreign Div 5

Warwick Wax Named Agent 45
Water Pollution Board to Meet 7

General Features

Advertising Index 75
Association Meeting Dates 7
Bids Wanted 74
Book Reviews 73
Classified Advertisements 74
Coke By-Products 40
Consulting Chemists and Engineers 55
Crude Oil Stocks 44
Current Market Quotations 9
Editorials 32
Foreign Sales Leads 5
Imports 54
Imports Detained 57
Industrial Chemicals Application 50
Obituaries 42
OPD Price Index 3
Washington Talks It Over 5
Who Has It 5
Trade Briefs 39, 45, 51, 52, 53, 62, 66, 68, 75

Market Reports

Agricultural Chemicals 38
Botanical Drugs, Spices, Gums 57
Coaltar Chemicals 40
Drugs and Fine Chemicals 47
Essential Oils, Other Aromatics 60
Fertilizer Materials (see Agric. Chem.)
Heavy Chemicals 34
Oils, Fats and Waxes 69
Petroleum Derivatives 44
Protective Coatings Materials 63
Textile and Leather Chemicals 37

Cottonseed Loan Program Broadened by USDA

Loans will be made on clean, safely stored cottonseed having a moisture content of 11 percent or less under the 1949 cottonseed price support program, the Department of Agriculture said last week. The department had announced on August 5 that loans would be limited to cottonseed with a moisture content of 10 percent or less.

Loans under the program, at the rate of $49.50 per ton, which is 90 percent of the August 1 parity price for cottonseed, will be made through December 31, 1949, and mature not later than April 30, 1950.

Earlier in the week, Representative Harold D. Cooley, chairman of the house agriculture committee urged the Production and Marketing Administration to revise its program of price support for cottonseed so as to provide benefit to tenant farmers and other small farmers of the South.

Mr. Cooley pointed out that the traditional method of disposing of cottonseed is for the farmer to sell it to the ginner at the time his cotton is ginned. Because of this, he said, most farmers have no facilities whatever for handling or storing cottonseed and will be unable to take advantage of the loan program. In addition, he pointed out, more than 90 percent of the North Carolina cottonseed tested for moisture by the Department of Agriculture in 1948 contained more than the allowable 10 percent of moisture.

Celanese Making Isobutyl Alcohol at Texas Plant

The Celanese Corporation of America, New York, has commenced volume production of isobutyl alcohol at its plant in Bishop, Tex. The delivered price of the solvent has been established by the company at 12½ cents per pound in tankcars and 14 cents per pound in carloads or drums.

Alcohol Tax Drawback Plea Vetoed by Truman

A bill (H. R. 4366) which would authorize a claim of the Pearson Remedy Company, Burlington, N. C., for drawback of taxes paid on alcohol used in the manufacture of nonbeverage products was vetoed August 23 by President Truman.

The company sought permission to file the claim after the period for filing of drawback claims had expired. Mr. Truman said that the record shows that during the year seventy other drawback claims had been rejected by the Bureau of Internal Revenue because they had not been filed within the allowed period of time and, therefore, legislative relief for this country would discriminate against the other seventy companies and set up an unwarranted precedent.

'Opiates' List Expanded

Bemidone and six other synthetic drug products were proclaimed by President Truman August 24 to be "opiates" within the meaning of the section 3228(f) of the Internal Revenue Code and, therefore, subject to government controls exercised over the production and sale of narcotics. The common and chemical designations of the new drugs are:—

Bemidone — 1-methyl-4-metahydroxyphenyl-piperidine-4-carboxylic acid ethyl ester.

NU-1196 — Alpha-1, 3-dimethyl-4-phenyl-4-propionoxy piperidine. (also known as Nisentil).

NU-1779 — beta-1, 3-dimethyl-4-phenyl-4-propionoxy piperdine.

NU-1932 — beta-1-methyl-3-ethyl-4-phenyl-4-propionoxy piperidine.

N. I. H.-2933—6-dimethylamino-4, 4-diphenyl-3-heptanol.

N. I. H.-2953—6-dimethylamino-4, 4-diphenyl-3-acetoxyheptane.

CB-11 — 6-morpholino-4, 4-diphenyl-3-heptanone. (also known as Heptazone or Heptalgin).

Oil, Paint and Drug Reporter, Vol. 156, No. 9, August 29, 1949. Published every Monday by Schnell Publishing Company, Inc., 59 John St., New York 7, N. Y., U. S. A. Subscription prices—United States and possessions, Cuba, Central America and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office under the act of March 3, 1879. Copyright, 1949, by Schnell Publishing Company, Inc.

Fish Oils Production Down in January-June

Domestic production of fish oils, exclusive of liver oils, during June of this year amounted to 1,515,868 gallons, compared with 2,210,715 gallons in June of 1948, according to the fish and wildlife service of the Department of the Interior. During the first six months of this year, 2,516,295 gallons of fish oils were produced, compared with 3,127,531 gallons in the corresponding period of last year.

The decrease in the June output was attributed to the fact that no Alaska herring oil was processed due to a price dispute between processors and fishermen and to the fact that the pilchard season was closed during June in California.

The quantity of fish meal processed during June, by firms that normally produce 92 percent of the total yield, amounted to 22,715 tons, approximately 4,200 tons less than was reported produced during June of last year. During the first six months

—*Continued on page 71*

Innis, Speiden Elects Sheffield, Jr., President

William H. Sheffield, jr., vice-president of Innis, Speiden & Co., manufacturer of chemicals, gums and waxes, New York, was elected president and general manager of the company at a meeting of the board of directors on August 23.

W. H. Sheffield, jr.

His election fills the post left vacant by the death of his father, W. H. Sheffield, president and general manager since 1926, who died July 25 in Allenhurst, N. J. The board of directors, at the same meeting, elected R. C. Palmer, secretary of the company, a member of the board. Donald S. Cushman, formerly assistant to the vice-president, has been named assistant to the president.

Bauxite Shipping Rates Assailed by Justice Dept.

The Department of Justice filed a complaint on August 23 with the Interstate Commerce Commission against seven railroads, challenging the legality of rates on imported crude bauxite ore from Mobile and New Orleans to Bynum or Huntsville Arsenal, Ala. Recovery of overcharges is sought and the commission is asked to prescribe just and reasonable rates for the future.

Herbert A. Bergson, assistant attorney general in charge of the antitrust division, said that an investigation of the rates assailed in the complaint was made at the request of the Bureau of Federal Supply and that it disclosed that the railroads assess "much higher rates for the transportation of the government's bauxite ore than they do for the transportation of the same commodity between other points."

He added that "the rates assessed also are higher than the rates applicable on shipments of chrome and manganese ores between the same points and between other points in the same general territory although the value of bauxite ore is less."

Acrolein Price Reduced

Shell Chemical Corporation, New York, has reduced the price of acrolein from 5 to 50 cents per pound. L. V. Steck, vice president of the company, said that the reduction was made to encourage development of industrial usages of the product. It is produced by Shell Chemical by the oxidation of propylene in a process developed by the Shell Development Company.

Liquefied Petrol Gas Use Up 23.8% in 1948

Liquefied petroleum gas deliveries to consumers in the United States during 1948 totaled 2,736,801,000 gallons, representing a gain of 23.8 percent over the 1947 sales of 2,209,797,000 gallons. These figures were recently announced by the petroleum economics branch of the Bureau of Mines, which pointed out that the gain made in 1948 over 1947 was greater than the total quantity of liquefied petroleum gases delivered during all of 1941. Exports of the material also showed a rise in 1948. In that year they amounted to 45,520,000 gallons as compared to 53,233,000 gallons in the preceding year.

Liquefied petroleum gas sold for synthetic rubber components in 1948 totaled 225,641,000 gallons, an increase of 12 percent over that marketed for the same purpose in 1947. Butane, sales of which amount to 83.3 percent of the total LP-gas sold for synthetic rubber manufacture, was up 3.8 percent in 1948. During that year 194,777,000 gallons were sold for that purpose, as against 187,733,000 gallons in 1947.

Sales of this material for use as a chemical intermediate amounted to 490,964,000 gallons in 1948, which was 18.5 percent above the 1947 delivery of 414,267,000 gallons. The second highest use of liquefied petroleum gas as a chemical raw material, accounted for 17.9 percent of

—Continued on page 74

Phillips Names Krueger To Fertilizer Sales Div.

The Phillips Chemical Company, subsidiary of the Phillips Petroleum Company, Bartlesville, Okla., has appointed

Harold R. Krueger

Harold R. Krueger, director of technical service for its fertilizer sales division.

The company has also named Clarence J. Ball manager of the Norfolk, Va., district of the division; R. D. Evans manager of the Houston, Tex., district, and A. Wayne Peck sales representative of the anhydrous ammonia section, with headquarters in Bartlesville.

Mr. Krueger, who will join the Phillips organization on September 1, has been production supervisor in the manufacture of commercial fertilizers for the International Minerals & Chemical Corporation, Chicago, for the past twelve years. He has also been associated with the Howard Fertilizer Works, the Atlantic & Gulf Fertilizer Company and the American Agricultural Chemical Company.

Mr. Ball, who was formerly southern sales manager at Hopewell, Va., for the Allied Chemical & Dye Corporation, will make his headquarters in the Royster

—Continued on page 39

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Bichromates, Natal, Brazil (EH-3).
Camphor, Sao Paulo, Brazil (EH-7).
Caustic soda, Porto Alegre, Brazil (EH-6).
Salvador, Brazil (EH-8, agency).
Chemicals, Porto Alegre, Brazil (EH-4); Recife, Brazil (EH-8, agency).
Diesel oil, Mossoro, Brazil (EH-2).
Dyes, Natal, Brazil (EH-3).
Lubricating oil, Mossoro, Brazil (EH-2).
Olive oil, Rio de Janeiro, Brazil (EH-5).
Pharmaceutical products, Recife, Brazil (EH-8, agency).
Rosin, Porto Alegre, Brazil (EH-6).
Soda ash, Porto Alegre, Brazil (EH-6).
Sodium bicarbonate and bisulphate, Natal, Brazil (EH-3).
Stearic acid, triple pressed, Oruro, Bolivia (EH-1).

Washington Talks It Over

By Ralph L. Cherry

President Truman is running into serious trouble with Congress in getting action on the so-called "Point 4 plan" of aiding undeveloped areas of the world. The trouble is with the house banking committee, which is inclined to view with considerable misgivings the advisability of enlarging the operations of the Import-Export Bank to guarantee private investments in these areas.

The committee has been holding hearings on the legislation for the past several weeks and, over this period, administration spokesmen have sought to hammer home the idea that the development of the backward areas is good business for the United States because it provides new outlets for American products, which would be sorely needed in another depression. Thus far, however, they have been unable to sell the idea to a majority of the membership.

Development of the backward areas is admittedly a long-time proposition and members are more interested in providing some immediate means of finding new markets for American products as a cushion against a depression. They recall how much faith was placed upon the prospect of public construction work filling the gap in overall construction during the early days of the depression of the thirties and how even as late as 1938 the gap had not been filled.

But, aside from the antidepression argument, the legislators are equally concerned about the soundness of the investments. Administration spokesmen have stated that, before any guaranty was given to an investment by the bank, it would be policy of the government to obtain an agreement with the foreign government that it would not expropriate the project, or if it was taken over, the American investors would be paid a fair price for the property. They don't want that written into the law, however.

The feeling of the committee seems to be that such agreements would be no guaranty and would be worth little more than the paper they are written on, particularly in these days of a growing tendency toward stateism. It also feels that if there is an opportunity to make a profitable investment in these areas without the danger of expropriation, private industry will make it without government guaranties; if government guaranties are necessary, then it is not a sound investment and is a waste of public funds.

Dyestuffs Market Battle

There is cause for considerable concern and quite a bit of discussion in the chemical industry over the actions of the Economic Cooperation Administration in the encouragement it is giving to the development of the dyestuffs industry abroad. Dye industry people fear that the end-result is going to be the wiping out of a large part of the foreign market for the domestic industry.

An expansion program that would enlarge the production capacity of Europe by about 42 percent over the 1938 level has been planned by the Organization for European Economic Cooperation, which is the group that advises and draws up the plans for European industry development with the aid of ECA funds. By 1952-53 OEEC hopes to export 80,000 metric tons, which, incidentally, is more than the consumption of dyestuffs in this country.

With such a large excess of production over the normal needs of the producing countries there is naturally going to be a mad scramble for the consuming markets of the Far East, India, and South America. In view of higher production costs, American producers are going to be up against it to hold their own in the world market when the flood begins.

Button by Any Other Name

The Federal Trade Commission is still cracking down on the use of trade-names for products, which it believes creates a false impression in the minds of the public of the real nature of the article. The courts have said that the commission has this right to stop the unfair use of trade-names, although they have not always agreed that the public is as gullible as the comission sometimes indicates it to be.

The latest complaint of the commission is against the use of the trade-name, "Aquaperl," for plastic buttons. The commission thinks that the public thinks of "Aquaperl" in terms of pearl buttons made from mollusk shells, and when the manufacturers explains that the buttons are "synthetic pearl," it only adds to the confusion. Then the public feels that the buttons have the attributes and qualities of genuine pearl buttons, according to the complaint.

Suffice it to say, the manufacturer does not see eye-to-eye with the commission at all and is going to fight the issuance of an order to abandon the trade-name. It has promised to show evidence from various firms, stating that the buttons never were claimed to be anything by a plastic product and that the company has added the explanatory term, "synthetic pearl," specifically for the purpose of eliminating any possibility of their being taken for a genuine pearl button.

Health Plan Not Abandoned

President Truman has no intentions of abandoning reorganization plan No. 1 which the senate kicked out the window by an expected heavy vote several weeks ago. The plan called for elevating the Federal Security Agency to the level of a Cabinet office with the title of "Department of Welfare."

Since the senate defeat, the President has conferred with Federal Security Administrator Oscar Ewing and other government officials on the matter, and the word is going around that he is going to offer the plan again in a somewhat revised form. It is the revisions that are of particular interest because the plan was knocked down almost solely on grounds that it included health activities of the government and the Senate feared it would be the opening wedge to socialized medicine.

If the President adheres strictly to the Hoover commission recommendations and eliminates the health features of the reorganization plan, it will have a better chance the next time it comes up. But, in the light of Mr. Truman's strong advocacy of compulsory health insurance and his

—Continued on page 32

Du Pont Shifts Four In Organics Division

E. I. du Pont de Nemours & Co., Wilmington, Del., has appointed Dr. George E. Holbrook assistant director of the technical division of its organic chemicals department. The appointment is effective September 6, on which date Dr. John E. Cole will assume Dr. Holbrook's present duties as general superintendent of development at the company's Chambers Works at Deepwater Point, N. J.

In other changes in the department's organization, Edgar W. Thompson, production manager for the rubber chemicals division, has been named manager of the company's neoprene chemical rubber plant at Louisville, Ky., and Emory F. Ridlon, currently manager of the plant, has been

—Continued on page 39

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Barium fluosilicate.
Methylene sulphate.
Nitrocarbonic acid.
Phenylurethane sulphochloride.
Sodium acid-arsenate.
Sulphydryl pentathionate.

Houghton Reorganizes Eastern Sales Division

E. F. Houghton & Co., Philadelphia, has appointed A. C. Smith coordinator of the two sections into which its eastern sales division has been split. The new sections are eastern sales north, which includes New England and New York and is headed by Orum R. Kerst, and eastern sales south, including Pennsylvania, New Jersey and Delaware, which is headed by J. R. Clendenning.

Mr. Smith joined the company in 1924 and ten years later was appointed assistant sales manager of national accounts, with headquarters in New York. In 1939 he was transferred to Philadelphia, and has been serving as assistant to the eastern sales manager. Mr. Kerst joined the company in 1938 and was appointed sales representative in New England in 1940.

Blake Leaves Monroe Sander

Dudley B. Blake has resigned as vice-president in charge of sales of the Monroe Sander Corporation, Long Island City, N. Y. Mr. Blake joined the company in 1946 and was elected vice-president two years later. He had spent most of his time directing sales operations and selling in the field.

Chemical Emulsifiers Use in Food Defended

Isaac Fogg, president of Atlas Powder Company, Wilmington, Del., denied before the Gillette subcommittee of the senate committee on agriculture August 23 that the chemical emulsifiers produced by his concern either replaced any other nutritional ingredients in the baking industry or that there was any evidence that the continued ingestion of emulsifiers have toxic or other harmful effects on humans.

The Gillette committee is presently making an overall study of fats and oils, particularly with reference to the displacement of the market for fats and oils by substitute products, such as synthetic detergents and food emulsifiers. It has been charged that one pound of emulsifier and five pounds of water can be used in the baking industry to replace six pounds of natural shortening.

Mr. Fogg told the committee that, instead of displacing fats and oils, the emulsifiers of his concern have created an additional market for fats and oils. He said that last year Atlas Powder consumed more than 8,000,000 pounds of natural fats and oils in the productions of its emulsifiers, turning out 16,000,000 pounds of the end product, of which 40 percent found a market in the food processing industries.

The company manufactures three chemical emulsifiers which are sold under the tradenames of "Tween," "Span," and "Myrj." "Span" is a combination of sorbitol and fatty acids, derived from natural fats and oils. "Tween" is a combination of "Span" and polyoxyethylene, a petroleum byproduct. "Myrj" is a combination of fatty acids and polyoxyethylene.

He said that emulsifiers facilitate the blending of normal ingredients in bread and other baked goods and are added to foods in extremely small quantities only to perform certain new and distinctive quality improving functions. In bread, for example, Atlas "Myrj" emusifier keeps the taste and softness longer, thus prolonging the breadbox life and minimizing household bread waste, he added.

"Our food emulsifiers do not replace any other nutritional ingredients in bread or other baked goods," Mr. Fogg declared. "These Atlas materials, based on farm-grown products, serve only one purpose in the baking industry—to make ingredients mix properly and thus improve quality. They are not substitutes for shortening and do not function as shortening, nor are they shortening extenders."

Sawyer Testimony Refuted

Meanwhile, representatives of the meat packers and renderers, in a letter to Senator Gillette, took issue with certain statements made early in the committee's investigation by Secretary of Commerce Charles Sawyer as to where the responsibility lay for the failure of the govern-

—Continued on page 74

Deep Rock Names Murphy General Sales Manager

Deep Rock Oil Corp., Tulsa, Okla., has appointed Thomas B. Murphy, formerly manager of the company's light oil sales department, to the post of general sales manager. Mr. Murphy will make his headquarters at Deep Rock's marketing offices at 616 South Michigan avenue, Chicago.

A veteran of nineteen years service with the concern, Mr. Murphy joined Deep Rock as a statistician, later working in various sales capacities before being appointed manager of the northwestern sales area in 1935. In February of this year he was made general manager of light oil sales.

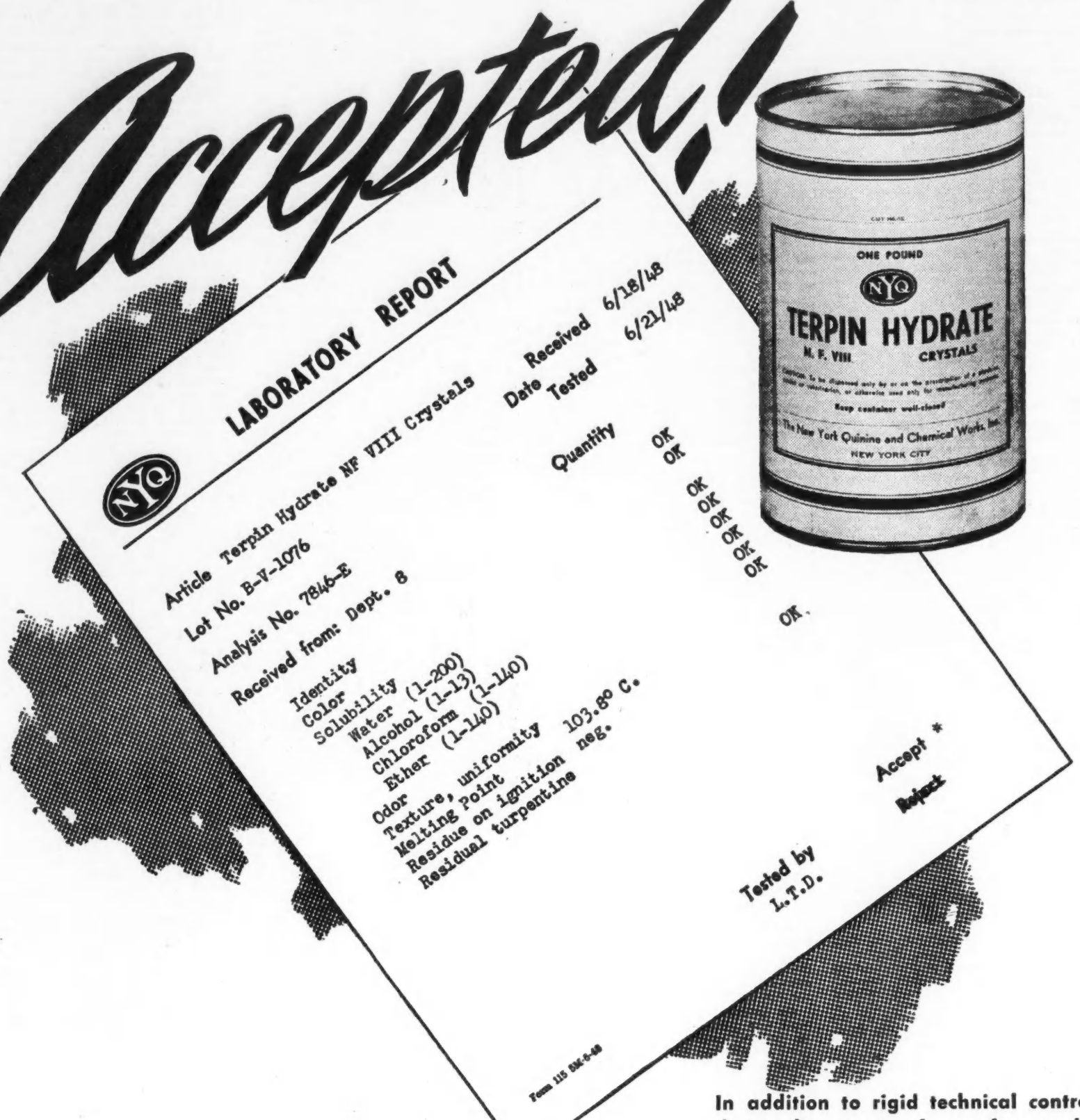
Shell Oil to Consolidate

Shell Union Oil Corporation is planning to acquire all of the assets of the Shell Oil Company, Inc., as of September 30, and to liquidate the subsidiary organization. At that time the stockholders of Shell Union Oil Corporation will be asked to vote on a change of its name to Shell Oil Company. Consolidation of the operating company and the holding company will have no effect on the wholly owned Shell Pipe Line Corporation and Shell Chemical Corporation, the company said.

Velsicol Forms Foreign Div.

Velsicol Corp., Chicago, has announced the addition of a foreign division to its New York office at 11 Park place. James A. Winter, formerly of Merchant Chemical Company, has been named to head the new outlet.

Accepted!



In addition to rigid technical control during the process of manufacture, the purity and physical characteristics of every lot of every N. Y. Q. product must meet the high standard set by our staff of experienced chemists. "Your assurance of uniformly high quality."

NYQ
REG. U.S. PAT. OFF.

The Full Line Fine Chemical House

The NEW YORK QUININE & CHEMICAL WORKS, Inc.

GENERAL OFFICES: 99-117 NORTH ELEVENTH STREET • BROOKLYN 11, NEW YORK

CHICAGO PLANT: 729 WEST DIVISION STREET • CHICAGO 10, ILLINOIS

Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, September 11-16.

American Association for the Advancement of Science, New York, December 26-31.

American Association of Textile Chemists and Colorists, Chalfonte-Haddon Hall, Atlantic City, N. J., October 13-15.

American Chemical Society, Atlantic City, N. J., September 18-23.

American Gas Association, Palmer House, Morrison and Sherman hotels, Chicago, October 17-20.

American Institute of Chemical Engineers, William Penn hotel, Pittsburgh, Pa., December 4-7.

American Oil Chemists Society, Edgewater Beach hotel, Chicago, October 31-November 2.

American Petroleum Institute, Chicago, November 7-10.

American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, November 28-30

American Soybean Association, Nicollet hotel, Minneapolis, Minn., September 6-8.

American Standards Association, Waldorf-Astoria hotel, New York, October 11-14.

American Welding Society, Cleveland hotel, Cleveland, Ohio, October 17-21.

Associated Chain Drug Stores, New Yorker hotel, New York, September 25-29.

Association of Consulting Chemists and Chemical Engineers, Sheraton hotel, New York, October 25.

Chemical Specialties Manufacturers Association (formerly NAIDM), Mayflower hotel, Washington, December 4-5.

Division of Food, Drug and Cosmetic Law, Section of Corporation, Banking and Mercantile Law, American Bar Association, Kiel Auditorium, St. Louis, Mo., September 7.

Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 22-25.

Electrochemical Society, LaSalle hotel, Chicago, October 12-14.

Exposition of Chemical Industries, Grand Central Palace, New York, November 28-December 3.

Federal Wholesale Druggists Association, Atlantic City, N. J., October 5-8.

Federation of Paint and Varnish Production Clubs, Chalfonte-Haddon Hall, Atlantic City, N. J., November 3-5.

Independent Natural Gas Association of New York, Baker hotel, Dallas, Tex., October 31.

Independent Petroleum Association of America, Blackstone hotel, Fort Worth, Tex., October 2-4.

International Congress of Industrial Chemistry, Barcelona, Spain, October 23-30.

International Congress of Military Medicine and Pharmacy, Mexico City, Mexico, October 23-29.

International Union of Chemistry, Amsterdam, Netherlands, September 6-10.

National Association of Retail Druggists, Seventy-First Regiment Armory, New York, September 18-22.

National Butane-Propane Association, Jefferson hotel, St. Louis, Mo., September 19-21.

National Fertilizer Association, Atlanta-Biltmore hotel, Atlanta, Ga., November 14-16.

National Foreign Trade Council, Waldorf-Astoria hotel, New York, October 31-November 2.

National Lubricating Grease Institute, Roosevelt hotel, New Orleans, La., October 3-5.

National Paint, Varnish and Lacquer Association, Chalfonte-Haddon Hall, Atlantic City, N. J., October 31-November 1.

National Paint Salesmen's Association, Palmer House, Chicago, November 6-8.

National Pest Control Association, Biltmore hotel, Los Angeles, Calif., October 17-19.

National Petroleum Association, Traymore hotel, Atlantic City, September 14-16.

National Safety Council, Chicago, October 24-28.

National Wholesale Druggists Association, Ambassador and Ritz-Carlton hotels, Atlantic City, N. J., October 8-13.

Navy Industrial Association, Waldorf-Astoria hotel, New York, September 28.

North American Gasoline Tax Conference, Tahoe Tavern, Lake Tahoe, Calif., September 7-10.

Oil Trades Association of New York, Waldorf-Astoria hotel, New York, October 27.

Pacific Chemical Exposition, San Francisco Civic Auditorium, November 1-5.

Packaging Institute, annual forum, Commodore Hotel, New York, October 24-26.

Packaging Machinery Manufacturers Institute, Edgewater Beach hotel, Chicago, October 31-November 2.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 14; annual meeting, Commodore hotel, December 7

Water Pollution Board To Meet on October 3-4

The second meeting of the recently organized Water Pollution Control Advisory Board will be held October 3 and 4 in Washington, D. C., Federal Security Administrator Oscar R. Ewing announced August 24. The board, appointed by the President on February 11, held its organization meeting in May and transmitted its first report to the surgeon general of the Public Health Service on June 27.

Funds were provided recently for carrying out some of the objectives of the water pollution control act. The proposed program will be reviewed at the forthcoming meeting, and plans will be made for future meetings in different parts of the country.

Oils, Fats Consumption: Apr.-June

Factory consumption of primary oils, fats, fatty acids, and related materials in the second quarter of 1949 totaled 3,401,896,000 pounds, according to the Bureau of the Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products other than salad oils	754,022,000
Paint and varnish and printing ink	142,256,000
Processing (fat-splitting, winterizing, pressing, sulphonation, etc.)	747,617,000
Refining	1,091,156,000
Soap	441,091,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds	
Babassu—	**Crude**	**Refined**
Refining	4,084,000	.....
Soap	7,277,000	[1] .....
Other uses	.....	[1] .....
Castor, crude—	**No. 1**	**No. 3**
Refining	[1]	[1] .....
Fat-splitting	[1]	[1] .....
Sulphonation	601,000	1,280,000
Soap	44,000	129,000
Paint and varnish	1,246,000	289,000
Linoleum and oilcloth	160,000	[1] .....
Printing inks	42,000	[1] .....
Lubricants and greases	83,000	64,000
Other uses	12,834,000	4,367,000
Castor, dehydrated—		
Soap	.....	[2] .....
Paint and varnish	.....	5,885,000
Linoleum and oilcloth	.....	[2] .....
Printing ink	.....	83,000
Lubricants and greases	.....	37,000
Other uses	.....	4,200
Coconut—	**Crude**	**Refined**
Refining	85,501,000	.....
Deodorizing	.....	14,773,000
Hydrogenation	[1]	11,090,000
Fat-splitting	2,592,000	.....
Sulphonation	194,000	[1] .....
Shortening	.....	1,927,000
Other edible products	.....	5,559,000
Chemicals	[1]	.....
Soap	40,843,000	22,365,000
Paint and varnish	[1]	743,000
Other uses	577,000	16,005,000
Cod and codliver—		**All grades**
Sulphonation	.....	315,000
Deodorizing	.....	82,000
Paint and varnish	.....	[2] .....
Other uses	.....	3,324,000
Corn—	**Crude**	**Refined**
Refining	59,063,00	.....
Sulphonation	[1]	11,000
Deodorizing	.....	10,851,000
Winterizing for salad oil	.....	13,329,000
Shortening	.....	[1] .....
Oleomargarin	.....	[1] .....
Other edible uses	[1]	18,641,000
Soap	[1]	[1] .....
Paint and varnish	[1]	.....
Other uses	52,000	304,000
Cottonseed—	**Crude**	**Refined**
Refining	362,000,000	.....
Sulphonation	.....	[1] .....
Hydrogenation	.....	140,186,000
Deodorizing	.....	4,704,000
Winterizing for salad oil	.....	138,259,000
Shortening	.....	79,960,000
Oleomargarin	.....	17,043,000
Other edible uses	.....	7,518,000
Soap	[1]	[1] .....
Paint and varnish	[1]	[1] .....
Other uses	40,000	577,000
Fish—	**Menhaden**	**Sardine**
Fat-splitting	.....	.....
Sulphonation	[2]	618,000
Soap	[2]	.....
Paint and varnish	861,000	2,205,000
Linoleum and oilcloth	[2]	817,000
Printing ink	84,000	.....
Lubricants and greases	224,000	10,000
Other uses	896,000	1,697,000
Fishliver, other than cod—		**All grades**
Sulphonation	.....	[2] .....
Lubricants and greases	.....	.....
Other uses	.....	1,490,000
Linseed—	**Raw**	**Refined**
Fat-splitting	[1]	[1] .....
Soap	17,000	[1] .....
Paint and varnish	26,745,000	26,417,000
Linoleum and oilcloth	14,990,000	3,469,000
Printing ink	335,000	2,371,000
Lubricants and greases	12,000	7,000
Other uses	5,123,000	4,478,000
Marine mammal—		**All grades**
Refining	.....	7,955,000
Sulphonation	.....	306,000
Paint and varnish	.....	.....
Printing inks	.....	3,000
Lubricants and greases	.....	[2] .....
Other uses	.....	792,000
Neatsfoot—		**All grades**
Refining	.....	.....
Sulphonation	.....	94,000
Soap	.....	.....
Printing ink	.....	.....
Lubricants and greases	.....	60,000
Other uses	.....	517,000
Oiticica—		**All grades**
Paint and varnish	.....	1,186,000
Linoleum and oilcloth	.....	[1] .....
Printing ink	.....	[1] .....
Other uses	.....	357,000
Oleo—		**All grades**
Shortening	.....	.....
Oleomargarin	.....	1,354,000
Other edible uses	.....	332,000
Soap	.....	[2] .....
Lubricants and greases	.....	[2] .....
Other uses	.....	1,000
Olive—	**Edible**	**Inedible**
Edible uses	363,000	.....
Soap	.....	129,000
Other uses	51,000	28,000
Palm—	**Crude**	**Refined**
Soap	73,000	[1] .....
Lubricants and greases	[1]	.....
Other uses	10,186,000	7,000
Palmkernel—	**Crude**	**Refined**
Soap	[1]	.....
Peanut—	**Crude**	**Refined**
Refining	36,724,000	.....
Sulphonation	.....	255,000
Hydrogenation	.....	3,517,000
Deodorizing	.....	16,502,000
Winterizing for salad oil	.....	.....
Shortening	.....	1,090,000
Oleomargarin	.....	[1] .....
Other edible uses	.....	3,280,000
Soap	[1]	[1] .....
[illegible] uses	.....	900,000
Perilla—		**All grades**
[illegible] and varnish	.....	.....
Printing ink	.....	.....
Rapeseed—		
Lubricants and greases	.....	[1] .....
Rubber	.....	300,000
Sesame—		**All grades**
All uses	.....	282,000
Soybean—	**Crude**	**Refined**
Refining	389,253,000	.....
Fat-splitting	405,000	.....
Sulphonation	138,000	130,000
Hydrogenation	[1]	105,147,000
Deodorizing	.....	35,409,000
Winterizing for salad oil	.....	23,932,000
Shortening	[1]	136,636,000
Oleomargarin	.....	5,046,000
Other edible uses	8,663,000	25,892,000
Soap	320,000	259,000
Paint and varnish	709,000	22,928,000
Printing ink	.....	658,000
Lubricants and greases	116,000	[1] .....
Other uses	3,003,000	17,814,000
Tallow—		**All grades**
Soap	.....	169,399,000
Lubricants and greases	.....	5,675,000
Other uses	.....	38,810,000
Tung—		**All grades**
Paint and varnish	.....	20,828,000
Printing ink	.....	242,000
Lubricants and greases	.....	[1] .....
Other uses	.....	4,255,000
Vegetable, not specified—		**All grades**
Refining	.....	5,279,000
Fat-splitting	.....	780,000
Hydrogenation	.....	9,056,000
Sulphonation	.....	250,000
Winterizing for salad oil	.....	3,325,000
Shortening	.....	151,000
Other edible uses	.....	9,474,000
Soap	.....	3,855,000
Paint and varnish	.....	415,000
Linoleum and oilcloth	.....	5,850,000
Printing ink	.....	53,000
Other uses	.....	5,007,000

Fats and Greases

Grease and lard oil—	**Pounds**
Sulphonation	358,000
Soap	.....
Lubricants and greases	3,485,000
Other uses	1,714,000
Grease, not specified—	
Fat-splitting	11,310,000
Winterizing and pressing	.....
Sulphonation	18,000
Hydrogenation	3,501,000
Pressing	12,474,000
Soap	90,745,000
Printing inks	20,000
Lubricants and greases	3,220,000
Other uses	1,940,000
Lard—	**Rendered** **Refined**
Shortening	19,333,000 4,656,000
Oleomargarin	845,000 [2] .....
Hydrogenation	4,371,000 [2] .....
Other edible uses	598,000 956,000
Soap	[1] ....
Printing ink	[2] [2] .....
Lubricants and greases	316,000 50,000
Other uses	94,000 133,000
Stearin, animal—	**Edible** **Inedible**
Shortening	3,677,000 .....
Oleomargarin	1,033,000 .....
Other edible uses	231,000 331,000
Other uses	30,000 832,000
Stearin, vegetable—	
Shortening	14,737,000
Oleomargarin	2,307,000
Hydrogenation	7,444,000
Other edible uses	264,000
Other uses	2,000
Tallow—	**Edible** **Inedible**
Fat-splitting	30,628,000
Winterizing and pressing	4,972,000 [2] .....
Hydrogenation	866,000 4,041,000
Sulphonation	1,510,000
Shortening	3,488,000 .....
Other edible uses	5,492,000 .....
Soap	[2] 236,016,000
Paint and varnish	 12,000
Printing inks	[2] 2,000
Lubricants and greases	142,000 5,731,000
Other uses	76,000 1,859,000
Woolgrease—	
Refining	[2]
Fat-splitting	11,310,000
Hydrogenation	3,501,000
Pressing	12,474,000
Sulphonation	18,000
Soap	90,745,000
Paint and varnish	.....
Printing ink	20,000
Lubricants and greases	3,220,000
Other uses	1,940,000

Fatty Acids and Acid Stocks

Animal fat and oil fatty acids, not specified—	
Winterizing and pressing	16,118,000
Soap	761,000
Lubricants and greases	1,769,000
Other uses	12,944,000
Animal oil foots (100% basis)—	
Soap	6,339,000
Other uses	[2] .....
Fatty acid stocks, not specified—	
Refining	.....
Fat-splitting	[2] .....
Sulphonation	.....
Soap	305,000
Paint and varnish	130,000
Linoleum and oilcloth	.....
Lubricants and greases	40,000
Other uses	176,000
Fish and marine mammal oil fatty acids—	
Sulphonation	105,000
Paint and varnish	209,000
Lubricants and greases	.....
Other uses	382,000
Fish and marine mammal oil foots (100% basis)—	
All uses	1,000
Olive oil foots (including sulphur oil)—	
Soap	[1] .....
Red oil—	
Sulphonation	720,000
Soap	3,790,000
Paint and varnish	38,000
Printing ink	53,000
Chemicals	2,201,000
Lubricants and greases	690,000
Other uses	2,880,000
Stearic acid—	
Sulphonation	27,000
Soap	[2]
Paint and varnish	67,000
Printing ink	16,000
Lubricants and greases	734,000
Chemicals	1,766,000
Rubber	3,772,000
Other uses	4,356,000
Vegetable oil fatty acids—	
Sulphonation	26,000
Hydrogenation	2,279,000
Soap	6,493,000
Paint and varnish	2,191,000
Lubricants and greases	215,000
Rubber	1,270,000
Other uses	14,050,000
Vegetable oil foots (100% basis)—	
Fat-splitting	36,634,000
Soap	13,831,000
Paint and varnish	129,000
Other uses	2,183,000

Unclassified

Materials not shown separately—	
Fat-splitting	3,338,000
Hydrogenation	9,873,000
Sulphonation	562,000
Soap	2,372,000
Paint and varnish	136,000
Linoleum and oilcloth	959,000
Printing ink	108,000
Lubricants and greases	1,946,000
Other uses	18,327,000

[1] Included in "Vegetable oils, not specified" to avoid disclosure of operations of individual companies.

[2] Included in "Materials not shown separately" to avoid disclosure of operations of individual companies.

Pacific Chemical Show Tentative Program Set

Tentative programming has been completed for the Pacific Chemical Exposition and Pacific Industrial Conferences, to be held in the Civic Auditorium, San Francisco, on November 1 to 5. Included in the program are talks and panel discussions under eleven separate scientific groupings, more than 100 commercial exhibits, a group of special exhibits, and continuous industrial motion pictures.

Opening the conferences, to run concurrently with the exposition, will be symposium on November 1 on "Regional Requirements for Chemicals" under the auspices of the Western Chemical Market Research Group. Rounding out events of the first day will be an afternoon conference and panel discussion on "Export Markets for Western Chemicals," led by the World Trade Section of the San Francisco Chamber of Commerce.

The remaining groups under which separate panel discussions will be held for the balance of the week are:—Petroleum division of the California section of the American Chemical Society and the American Institute of Mining Engineers; northern California section of the American Institute of Chemical Engineers; Northern California Instrument Association, Pacific Insecticide Institute; agricultural and food chemistry division of the California section of the American Chemical Society; northern California section of the Forest Products Research Society; Northern California Rubber Group and the San Francisco section of the Society of the Plastics Industry, and the Pacific Association of Chemistry Teachers.

Some of the subjects to be covered in these meetings are:—"Review of Current World Chemical Developments"; "Processing Imports by the Western Chemical Industry"; "The Future of Energy Sources in the Western States"; "Desirable Personal Characteristics for Technical Personnel"; "History of Chemical Engineering As a Profession"; "Industrial Applications of Radioactivity"; "Agricultural Chemicals—A Ten-Year Review"; and "The Electroplating Industry on the West Coast."

Packaging Institute Plans Annual Forum October 24-26

The eleventh annual forum of the Packaging Institute will be held at the Commodore hotel, New York, on October 24 to 26. It will take place concurrently with the first national conference of prepackaging of fresh fruits, vegetables and meats.

During the course of the forum, a drug and pharmaceutical seminar will be held at 2 p.m. on October 25. H. E. Nack, Sharp & Dohme, Inc., will be chairman of the seminar, which will feature reports on two projects of the institute's drug and pharmaceutical committee.

In addition, there will be general sessions on the themes "What Management Expects of Packaging"; "How Organized Packaging Research Pays Off," and "How Package Design Can Meet the Challenge," and seminars on rigid and flexible packaging, on production, and on handling, packing and shipping.

Nat'l Safety Council Plans October Meeting

The National Safety Council will hold its thirty-seventh annual meeting, safety congress and exposition in Chicago on October 24 to 28. Sessions on industrial safety will be held at the Stevens, Congress and Morrison hotels; commercial vehicle activities will be centered in the Palmer House; the Morrison hotel will house the school and college, farm and home sessions, and traffic meetings will be held in the Sherman hotel.

Among the speakers at the meeting will be James Tanham, vice-president for industrial and public relations of the Texas Company; James E. Trainer, vice-president of Firestone Tire & Rubber Company; Earl E. Moore, vice-president for industrial relations of Carnegie-Illinois Steel Corporation, and Gustav Metzman, president of the New York Central System.

SPI Appoints Dale Amos Exposition Committee Head

The Society of the Plastics Industry has appointed Dale Amos, general manager of Amos Molded Plastics Company, Edinburg, Ind., chairman of the committee for its 1950 National Plastics Exposition, to be held at the Navy Pier, Chicago, on March 28 to 31. Mr. Amos has announced that the drawing for assignment of all exhibit space will be held at the Commodore hotel, New York, on October 4.

Your Vitamin Product

May Be the One Prescribed

YOUR Vitamin Product builds professional acceptance through its chemical purity and appealing physical appearance. One easy way of helping your product attain these desirable characteristics is to standardize on a dependable source of supply for basic vitamins.

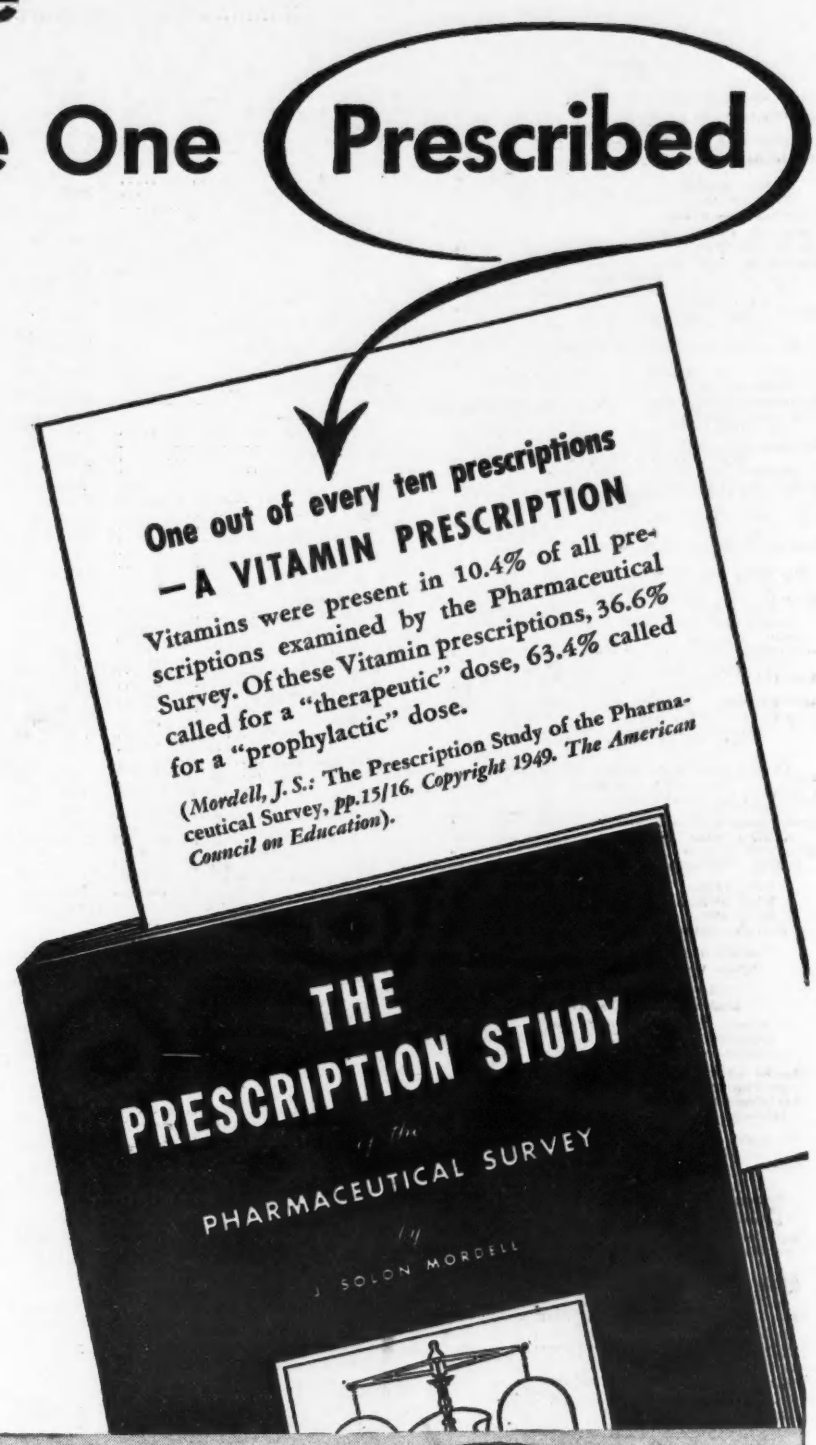
As a pioneer manufacturer of pure vitamins, Merck has established a record of unexcelled achievement in supplying these fine, uniformly pure products to industry.

Make Merck Skill and Experience Part of Your Own Product:

CALL MERCK FOR VITAMINS

CRYSTALLINE VITAMIN B_{12}

Thiamine Hydrochloride
Riboflavin
Niacin
Niacinamide
Niacinamide Hydrochloride
Pyridoxine Hydrochloride
Calcium Pantothenate Dextrorotatory
Ascorbic Acid
Menadione (Vitamin K Active)
Vitamin K_1
Alpha Tocopherol
Alpha Tocopheryl Acetate
Choline


One out of every ten prescriptions
—A VITAMIN PRESCRIPTION
Vitamins were present in 10.4% of all prescriptions examined by the Pharmaceutical Survey. Of these Vitamin prescriptions, 36.6% called for a "therapeutic" dose, 63.4% called for a "prophylactic" dose.
(Mordell, J. S.: The Prescription Study of the Pharmaceutical Survey, pp.15/16. Copyright 1949. The American Council on Education).
THE PRESCRIPTION STUDY
of the
PHARMACEUTICAL SURVEY
by
J. SOLON MORDELL

MERCK VITAMINS

MERCK & CO., Inc. *Manufacturing Chemists* **RAHWAY N. J.**

MERCK

Current Market Quotations

Chemicals and Related Materials

August 26, 1949

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, arabic).
Acenaphthene, m.p. below 92.5 C., dms., works lb. .40 - —
above 92.5 C, dms., works lb. .50 - —
Acetaldehyde, 99%, dms., c.l., works. lb. .11½- .12½
l.c.l., works lb. .12 - .13
tanks, works lb. .09½- .10½
Acetaldol (see Aldol).
Acetamide, CP, fib, dms lb. .65 - .75
tech., fib. dms lb. .38 - .43
Acetanilide, tech., bbls., c.l., dlvd. or frt. equald lb. .22 - .23½
l.c.l., ton lots lb. .23 - .24½
smaller lots lb. .26 - .27½
USP, bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —
Acetic anhydride, dms., c.l., frt. alld. E lb. .13 - —
l.c.l., frt. alld. E lb. .14½- —
tanks, frt. alld. E lb. .11½- —
Acetoacetanilide, bbls., dlvd lb. .67½- —
fib. dms., c.l., dlvd lb. .66½- —
l.c.l., dlvd lb. .67½- —
Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb. 1.75 - —
Acetoacetorthochloranilide, bbls., dlvd. lb. 1.15 - —
fib. dms., c.l., works lb. 1.14 - —
l.c.l., works lb. 1.15 - —
Acetoacetorthotoluidide, bbls., dlvd lb. .90 - —
fib. dms., c.l., works lb. .71 - —
l.c.l. lb. .72 - .73
Acetone, CP, dms., c.l., dlvd lb. .09 - —
l.c.l., dlvd lb. .09½- .10
tanks, dlvd lb. .07½- —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .43 - —
l.c.l., works lb. .45 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.33
Acetophenone, cns., dms lb. 1.30 - 1.35
tech., l.c.l., dms., works lb. .75 - —
Acetoacetoparaphenetidide, d m s., 500 lbs. or more, works. lb. 1.65 - —
smaller lots, same basis lb 1.90 - —
Acetyl chloride, cbys., works lb. .50 - .60
Acetyltributyl citrate, dms lb. .43 - .45
smaller pkgs lb. .48 - .54
Acetyltriethyl citrate, dms lb. .36 - .38
smaller pkgs lb. .41 - .47
Acid, abietic, dms., c.l., works lb. .07½- —
Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.00 - —
70%, bbls 100 lbs. 8.40 - —
80%, bbls 100 lbs. 9.40 - —
glacial, synthetic, CP, dms., works 100 lbs.13.00 - —
USP, cbys., works 100 lbs.15.50 - —
tech., dms., c.l., works 100 lbs. 9.00 - 9.50
l.c.l., works 100 lbs. 9.50 -10.00
tanks, works 100 lbs. 7.50 - —

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls., same basis. lb. .48 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt., dms. lb. .49 - —
smaller lots, dms lb. .49½- .54½
Adipic, fib. dms., works lb. .26½- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 1.10
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs lb. .20 .22
Ascorbic, USP, dms., 500-kilo lots. kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 1.75
l.c.l., E. works 100 lbs. 2.15 2.85
Benzoic, tech., bbls., dms., 100 lbs. or more lb. .43 - —
USP, bbls., dms., 100 lbs. up lb. .54 - —
Betaoxynaphthoic, bbls., works lb. 1.25 - —
Boric, tech., 99½%, cryst., bgs., c.l., works ton.115.25 - —
ton lots, ex whse, N. Y. or Chi ton.160.00 - —
less ton lots, same basis. ton.165.00 - —
bbls., c.l., works ton.135.25 - —
ton lots, ex whse., N. Y. or Chi ton.180.00 - —
less ton lots, same basis. ton.185.00 - —
bulk, c.l., works ton.111.75 - —
gran., bgs., c.l., works ton.90.25 - —
ton lots, ex whse., N. Y. or Chi ton.135.00 - —
less ton lots, same basis. ton.140.00 - —
bbls, c.l., works ton.110.25 - —
ton lots, ex whse., N. Y. or Chi ton.155.00 - —
less ton lots, same basis. ton 160.00 - —
bulk, c.l., works ton.86.75 - —
powd., bgs., c.l., works ton.95.25 - —
ton lots, ex whse., N. Y. or Chi ton.140.00 - —
less ton lots, same basis. ton.145.00 - —
bbls., c.l., works ton.115.25 - —
ton lots, ex whse., N. Y. or Chi ton.160.00 - —
less ton lots, same basis. ton.165.00 - —
bulk, c.l., works ton.91.75 - —

USP $25 per ton higher.

Broener's, bbls lb. 1.34 - —
Butyric, 99%, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tankcars, works lb. .33 - —
Cacodylic, bots. lb.12.00 -13.00
Camphoric, natural, dms lb. 6.00 6.75
synth., dms lb. 5.25 - 7.00
Capric, tech., dms lb. .50 .50½
Caprylic, 99%, dms lb. .50 .50½
Castor oil, split, dms lb. .21 .22
Chlorosuiphonic, dms., c.l., works. lb. .03 —
l.c.l., works lb. .03½ .04½
tanks, works lb. .02½ —
Chromic, 99½-99¾%, dms., c.l. works lb. .25½ —
l.c.l., works lb. .26 .27
USP, 5 lb. bots. lb. .82 —
Cinnamic, refd., bots lb. 2.50 - 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½ —
10,000 lbs., 1 ship't lb .27 - —
smaller lots lb. .27½ —
kgs. lb. .28½ —
Anhydrous citric acid powder, ½c. per lb. higher
USP, cryst., dms., c.l. lb. .27½ —
10,000 lbs., 1 ship't lb .28 - —
smaller lots lb .28½ —
kgs. lb. .29½ —
gran., fine gran., dms., c.l. lb. .24½ —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½ —
kgs. lb. .26½ —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bbls lb. .65 .66
Coconut oil, dist., dms lb. .25¼- .26¼
double dist., dms lb. .27¼- .28½
Corn oil, s.d., dms lb. .11½- .12½
Cottonseed oil, dist., dms lb. .11½- .12½
Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equald gal. .91 - —
l.c.l., non-ret. dms., same basis gal. .94 - —
ret. dms., c.l., same basis lb. .88 - —
l.c.l., same basis lb. .91 - —
tanks, same basis gal. .80 - —
50% at 204° to 207° C, c.l., non-ret. dms., same basis gal. .96 - —
Acid, cresylic, dom., coaltar, 50% at 204°-207° C, non-ret. dms., l.c.l., same basis, gal. .99 - —
ret. dms., c.l., same basis. lb. .93 - —
l.c.l., same basis lb. .96 - —
tanks, same basis gal. .85 - —
Petroleum, 179° C to 198° C, San Francisco and Los Angeles, tanks gal. 1.00 - —
195° to 213° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .95½- —
l.c.l., same basis gal. .97½- .99½
tanks, same basis gal. .85 - —
211°C to 236°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .77 - —
l.c.l., same basis gal. .79 - .81
tanks, same basis gal. .665 - —
237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .72½- —
l.c.l., same basis gal. .74½- .76½
tanks, same basis gal. .62 - —
Crotonic, fib. dms., works lb. .29 - —
Dichlorophenoxyacetic, (see "D". 2, 4-D)
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb. .22 - —
Ethylhexoic, dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½- —
tanks, works lb. .29½- —
F, bbls., works lb. 1.87 - 1.93
Folic, bots., fib ctns., kilo or more gram. 2.00 - —
Formic, 85%, cbys., c.l., works lb. .13 - .13½
l.c.l., works lb. .13½- .14
90%, cbys., c.l., works lb. .13½- .14
l.c.l., works lb. .14 - .14½
Fumaric, tech., bbls., dms lb. .30 .31
Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 —
smaller lots lb. 1.63 1.65
technical, bbls., 1,000-lb. lots lb. 1.43 —
smaller lots lb. 1.46 1.48
Gamma, bbls lb. 1.20 - —
Gluconic, tech., 50%, bots lb. .23 .31
dms lb. .14 —
kgs. lb. .16 —
Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb. 2.30 2.40
25 lb. lots lb. 2.45 - —
Glycerophosphoric, 35%, dms., works lb. 2.15 - —
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .73½- —
Hydriodic, 45-47%, cbys lb. 2.69 —
57%, cbys lb. 2.83 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .38 —
tech., 48%, cbys., dlvd E lb. .34 .36
34%, cbys., dlvd E lb. .35 .37
Hydrochloric (see Acid, muriatic)
Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb. bots lb. .35 - —
Acid, hydrofluoric, anhyd., cyls., works lb. .19 .19½
tanks, works lb. .16½- —
30%, wood or rubber, dms., works lb. .08½- .09
70%, steel dms., works lb. .143 - .148
Hydrofluosilicic, 30-35%, bbls lb. .08 - .09
Hydroxyaceuic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle W. Va., 100% basis lb. .085 - —
Hypophosphorus, USP, djns lb. .75 - .77
J, bbls., works, 20% basis lb. 2.50 - —
L, bbls., works lb. .95 - —
Lactic, edible, 50%, bbls., 20 or more lb. .16 - .18
smaller lots lb. .17 - .19
80%, bbls. 20 bbls. or more. lb. .285 - .332
plastic grade, 50%, bbls., 20 or more lb. .19¾ —
10 or less lb. .20¾ —
80%, bbls., 5 or less lb. .3495- .3545
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs.10.95 - —
l.c.l., bbls., works 100 lbs.11.35 - —
cbys., works 100 lbs.11.85 - —
NF, 85%, cbys lb. .69 .72
Laurent's, bbls lb. .57 —
Lauric, dist., 85-90%, dms lb. .28 - .28¼
60%, dms. lb. .25 - .25½
Linseed oil, reg. dist., dms lb. .2260- .2310
water-white, dms lb. .2560- .2610
Maleic, powd., dms lb. .30 .31
Anhydride (see M).
Malic, dms lb. .47 —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 —
smaller lots lb. 1.90 2.10
Mixed, tanks, nitric unit lb. .05 .06
sulphuric unit lb. .0085 .009
Molybdic, dms., 85%-92%, works lb. .92 .95
Monochloroacetic, purified, flakes, 99% dms lb. .22½- .23¼
tech., flake, 96-97%, bbls lb. .18 .19
Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 —
l.c.l., E. works 100 lbs. 2.05 2.75
tanks, E. works ton.18.00 - —
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton.20.00 - —
22°, cbys., c.l., E. works 100 lbs. 2.40 - —
tanks, E. works ton.25.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼ 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ —
l.c.l., same basis lb. .14¼ .15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Myristic, dist., dms lb. .45 Nom.
Naphthenic, 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma' (5)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .88 - —
Nicotinic, USP, dms., works kilo. 8.00 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38°, cbys. c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 - 6.60
40°, cbys., c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 - 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½- —
l.c.l., same basis lb. .13 .13¼
5 pint bottles extra, cs., c.l., frt. equald lb. .15½ —
l.c.l., same basis lb. .17 .18
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Octoic (see Acid, ethylhexoic).
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms., ton lots, works lb. .82 - —
smaller lots, works lb. .84 - —
Oxalic, bbls., c.l., works lb. .14¼- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. .15¼- .15½
Palm oil, white, dist., dms lb. .21¼ .21⅝
Para-aminobenzoic, purified, dms., 100 lbs., works lb. 3.75 —
smaller lots, same basis lb. 3.85 4.00
technical, dms lb. 1.84 - —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb.11.85 - —
smaller lots lb.11.90 -13.00
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, cns. lb. .87 —
Paratoluidinmetasulphonic, bbls., works lb. .92 .95
Peanut oil, s.d., dms lb. .13¾- .14¾
Perchloric 60%, cbys., works lb. .58 .62
70-72%, cbys., works lb. .61 .66
Phenylacetic, bots lb 1.51 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	neut.	neutral.
ammo.	ammonia	djns.	demijohns	NF	National Formulary
amorph.	amorphous	dlvd.	delivered	nom.	nominal
anhyd.	anhydrous	dms.	drums	No.	number
a.p.a.	available phosphoric acid	dom.	domestic	ord.	ordinary
artif.	artificial	E.	east	oz.	ounce
ASTM.	American Society for Testing Materials	e.p.	end point	Pac.	Pacific
		equald.	equalized	pf.	proof
Be.	Baume	F.	fahrenheit	phos.	phosphate
bgs.	bags	ferment.	fermentation	photo.	photographic
bbls.	barrels	ffa.	free fatty acid	pkgs.	packages
bls.	bales	ffc.	free from chlorine	powd.	powdered
bots.	bottles	fib.	fiber	precip.	precipitated
b.p.	boiling point	f.o.b.	free on board	prod.	producer
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	pt.	point
b.r.	boiling range	frt.	freight	pulv.	pulverized
bxs.	boxes	fus.	fused	purif.	purified
C	centigrade	gal.	gallon	redist.	redistilled
cbys.	carboys	gran.	granular	refd.	refined
CD	completely denatured	grd.	ground	refy.	refinery
c.i.f.	cost, insurance, freight	i.&a.	iron and aluminum	reg.	regular
cks.	casks	i.b.p.	initial boiling point	resub.	resublimed
c.l.	car lots	imp.	imported	ret.	returnable
cns.	cans	incl.	included	SD	specially denatured
col.	color	indust.	industrial	s.d	single distilled
com'l	commercial	kgs.	kegs	S. E.	southeast
conc.	concentrated	lacq.	lacquer	secs.	seconds
CP	chemically pure	lb.	pound	s.g.	specific gravity
cps.	centipoises	l.c.l.	less than car lots	ship't	shipment
cryst.	crystal	liq.	liquid	solut.	solution
cs.	cases	m.a.p.	mixed aniline point	s.u.	standard unit
ctns.	cartons	min.	minimum	synth.	synthetic
cyls.	cylinders	m.p.	melting point	tech.	technical
dbl.	double	N.	nitrogen	USP	U. S. Pharmacopoeia
denat.	denatured	nat.	natural	vis.	viscosity
dest.-dist.	destructive-distilled			VM&P	varnish makers & painters
dextro.	dextrorotatory			W	west
dist.	distilled			w.w.	water white
				whse	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material

Acid, Phosphoric—Alphanitronaphthalene

Acid, phosphoric, food grade, 75%, cbys., c.l., works, frt. equald. 100 lbs. 6.50 - —
i.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald. 100 lbs. 4.50 - —
NF, 85%, cbys., c.l. lb. .10½- —
For shipments in cbys., add handling charges.
Picramic, ogs. lb. .65 - .70
Picric, tech., bbls. lb. .32 - .33
NF, bbls. lb. .42 - —
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls. lb. No prices.
NF, cryst., dms. lb. 2.95 - 3.18
resub., dms. lb 3.45 3.60
Pyroligneous, bbls., incl., l.c.l., ex whse. gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, tech., bbls., c.l. lb. .31 - —
smaller lots lb. .33 - —
USP, cryst., bbls., c.l. lb. .40 - —
smaller lots lb. .50 - —
powder, bbls., c.l. lb. .45 - —
smaller lots lb. .55 - —
Sebacic, purif., dms., c.l., works. lb. .47 - —
l.c.l., works lb. .49 - .53
Soybean oil, single dist., dms lb. .13¾- .14¾
double dist., dms lb. .14¾- .15¾
Stearic, double pressed, bgs. lb. .15½- .16½
single pressed, bgs lb. .15 - .16
triple pressed, bgs lb. .17¾- .18¾

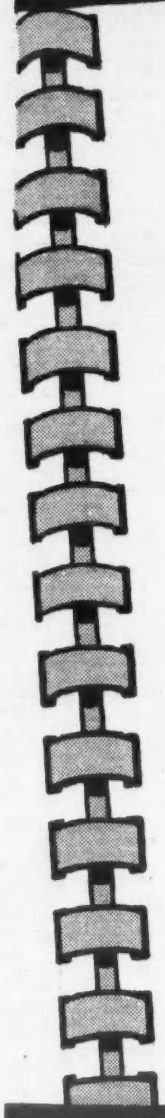
Acid, succinic, bbls., cryst., purified, works lb. .90 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., works lb. .17 - —
Sulphuric, 60° Be, cbys., c.l., E. works. 100 lbs. 1.40 - —
l.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton. 13.75 - —
66° Be, cbys., c.l., E. works. 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton. 17 00 - —
96%, tanks, E. works ton. 18.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, E works. ton. 19.00 - —
Tallow, dist., dms lb. .11½- .12½
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots. lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., 230, 250 lb. dms., 10,000 lbs., 1 ship't. lb. .34½- —
smaller lots lb. .35 - —
100-lb. dms lb. .36 - —
small, dms lb. .38 - .40
imported, kgs lb. .34 - .36

Acid, thioglycolic, refined, bbls., cbys., basis 100% lb. 1.60 - 1.80
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., works, l.c.l. lb. .20 - —
c.l., tanks lb. .18½- —
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Aconite leaves, bls lb. .50 - .55
Root, bbls. lb. .55 - .60
Aconitine, amorph., mild, bots. oz. 27.50 -32.50
cryst., potent, bots. oz. 85.00 - —
Acrylonitrile, dms., c.l., works lb. .36½- —
l.c.l., works lb. .37 - .55
tanks, works lb. .35 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .35 - .40
Agar, USP, Kobe, No. 1 strip lb. 2.40 - 2.60
Agaric, white, bls lb. 1.50 - 1.75
Agrimony herb, bls lb. .30 - .35
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (egg), edible, flake bbls lb. 2.15 - 2.20
powd., bbls lb. 2.18 - 2.23
tech., cryst., bbls lb. 1.05 - 1.15
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .67½- —
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31½- —
works lb. .32½- —
l.c.l., dlvd lb. .32½- —
works lb. .33 - —
tanks, dlvd lb. .30 - —
works lb. .31 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss. lb. .16 - —
l.c.l., frt. alld. E. of Miss lb. .17 - —
tanks, frt. alld. E. of Miss lb. .15 - —
(see also Fusel oil, ref.)

Alcohol, amyl, fermentation, refined, 126-132°C, dms., c.l., dlvd. lb. .33½- —
l.c.l., dlvd lb. .34½- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd. lb. .36 - —
ACS grade, dms., l.c.l., dlvd lb. .42 - —
Benzyl, dms. lb. .60 - .88
tech., dms., works, frt. equald. lb. .45 - .50
Butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
synthetic, normal, dms., c.l., frt. alld lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
secondary, dms., c.l., frt. alld. lb. .11½- —
l.c.l., dlvd., frt. alld lb. .12 - —
tanks, dlvd., frt. alld lb. .10 - —
tertiary, dms., c.l., frt. alld. lb. .13½- —
l.c.l., frt. alld lb. .14 - —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24¼- —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.75 - 3.55
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .42½- —
l.c.l., dlvd. E. of Miss. R. gal. .46½- .51½
tanks, dlvd. E. of Miss. R gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .41½- —
l.c.l., same basis gal. .45½- .50½
tanks, same basis gal. .31½- —
SD2B, dms., c.l., E. of Miss. R. gal. .40 - —
l.c.l., same basis gal. .44 - .49
tanks, same basis gal. .30 - —
SD23H, dms., c.l., dlvd. E. of Miss. R. gal. .43 - —
l.c.l., same basis gal. .47 - .52
tanks, same basis gal. .33 - —
SD29, denatured, with acetaldehyde, dms., c.l., dlvd. E. of Miss. R. gal. .40½- —
l.c.l., same basis gal. .44½- .49½
tanks, same basis fal. .30½- —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Proprietary solvent, dms., c.l., dlvd. E. Miss. R. gal. .42½- —
l.c.l., same basis gal. .46½- .51½
tanks, same basis gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Special solvent (see Alcohol, denat., proprietary).
Diacetone, acetone free, dms., c.l., dlvd. lb. .13½- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.49 - —
l.c.l., same basis gal. 17.53 -17.58
tanks, same basis gal. 17.39 - —
tax free, dms., c.l., dlvd. E. Miss. R. gal. .39 - —
l.c.l., same basis gal. .43 - .48
tanks, same basis gal. .29 - —
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.44 - —
l.c.l., same basis gal. 18.48 -18.53
tanks, same basis gal. 18.34 - —
Ethylhexyl, dms., c.l., works lb. .30 - —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .28½- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl, refined, fermentation).
Isobutyl, dms., c.l., dlvd lb. .14 - —
l.c.l., works lb. .15 - —
tanks, dlvd lb. .12½- —
Iso-octyl, dms., c.l., works lb. .29½- —
l.c.l., works lb. .29¾- —
tanks, works lb. .27¾- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd. gal. .38 - —
l.c.l., dlvd gal. 41 - —
tanks, dlvd gal. .28 - —
95%, dms. incl., c.l., dlvd. gal. .39½- —
l.c.l., dlvd gal. .42½- —
tanks, dlvd gal. .29½- —
NF, 99%, dms. incl., c.l., dlvd. gal. .41 - —
l.c.l., dlvd gal. .44 - —
tanks, dlvd gal. .31 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Nonyl (see Trimethylhexanol).
Octyl, perfumer's grade, bots lb. 2.15 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.40 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., dlvd. lb. .09½- —
works lb. .08 - —
l.c.l., dlvd lb. .10 - —
works lb. .08½- —
tanks, dlvd lb. .08 - —
works lb. .06½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aletris root, bgs. lb. 1.50 - 1.60
Algin, bbls., fib. dms lb. .76 - 1.00
Alizarin (see Red, alizarin)
Alkanet root, bgs lb. .40 - .45
Allspice, Jamaica (see Pimento).
Mexican, bgs. lb. .18½- .19
Allyl bromide, cnys., 5,000 lbs., works. lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .15 - —
Aloe, Cape, cs. lb. .23 - .24
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene, bbls lb. .34 - —

A page from the Stauffer Catalog

NUMBER NINE IN A SERIES



CHLORINE
(LIQUID)

Other Names . . . . None.

Formula . . . . . Cl₂.

Properties . . . . . Clear amber liquid under pressure of approx. 82 lbs./sq. inch gauge at room temperature (68° F.). Weight per cubic foot of liquid at room temperature is 88 pounds. One volume of liquid gives approx. 460 volumes of gas at room temperature and atmospheric pressure. The gas is about two and one-half times as heavy as air.

Dry Chlorine Liquid or gas is not corrosive to most metals. Moisture makes it extremely corrosive. The gas has a pungent suffocating odor, *and if breathed in high concentration may cause serious injury.* It is only slightly soluble in water; approx. 0.75% at 68° F. The dry gas is a non-conductor of electricity.

Chlorine is very active chemically. It reacts vigorously with most of the common metals and also with almost all of the non-metals. It is a powerful oxidizing agent, and displaces less active non-metals from their compounds.

Boiling Point	—34.5° C. (—30.1° F.)
Freezing Point	—102° C. (—152° F.)
Specific Gravity of Gas (@ 0° C.)	2.486 (Air = 1)
Specific Heat of Gas (@ 15° C.)	Cv = 0.085 g. cal./g.
Specific Heat of Gas (@ 15° C.)	Cp = 0.115 g. cal./g.
Specific Heat of Liquid (— 80° to 30° C.)	0.226 g. cal./g.
Specific Gravity of Liquid (@ 15° C.)	1.423 g. cal./g.

Grades . . . . . Commercial.

Analysis (Typical) . . Chlorine, not less than 99.7%
Residue, average 0.0075%

Principal Uses . . . . Chlorine as a chlorinating agent, is used in the manufacture of many outstanding useful chemicals, drugs and insecticides. It has long served the pulp, paper and textile industries as a bleaching agent, or in the manufacture of bleaching powders. The purification of water for drinking purposes represents large consumption. The chlorides of aluminum, antimony, boron, carbon, silicon, sulphur, tin, and phosphorus are intermediates, reagents or catalysts leading to many of our present day plastics, synthetic rubbers, medicines, insecticides, synthetic fabrics, aviation fuels and lubricants—joining chlorinated organic compounds in the advance of many of the arts that bring us better material living.

Packing . . . . . Tank Cars—Single units.
16 and 30 tons (from Niagara Falls, N. Y.).
16, 30 and 55 tons (from Henderson, Nevada).

Shipping Regulations Green Label (non-flammable gas).

Stocks . . . . . Niagara Falls, N. Y. (Factory). Henderson, Nevada (Factory).

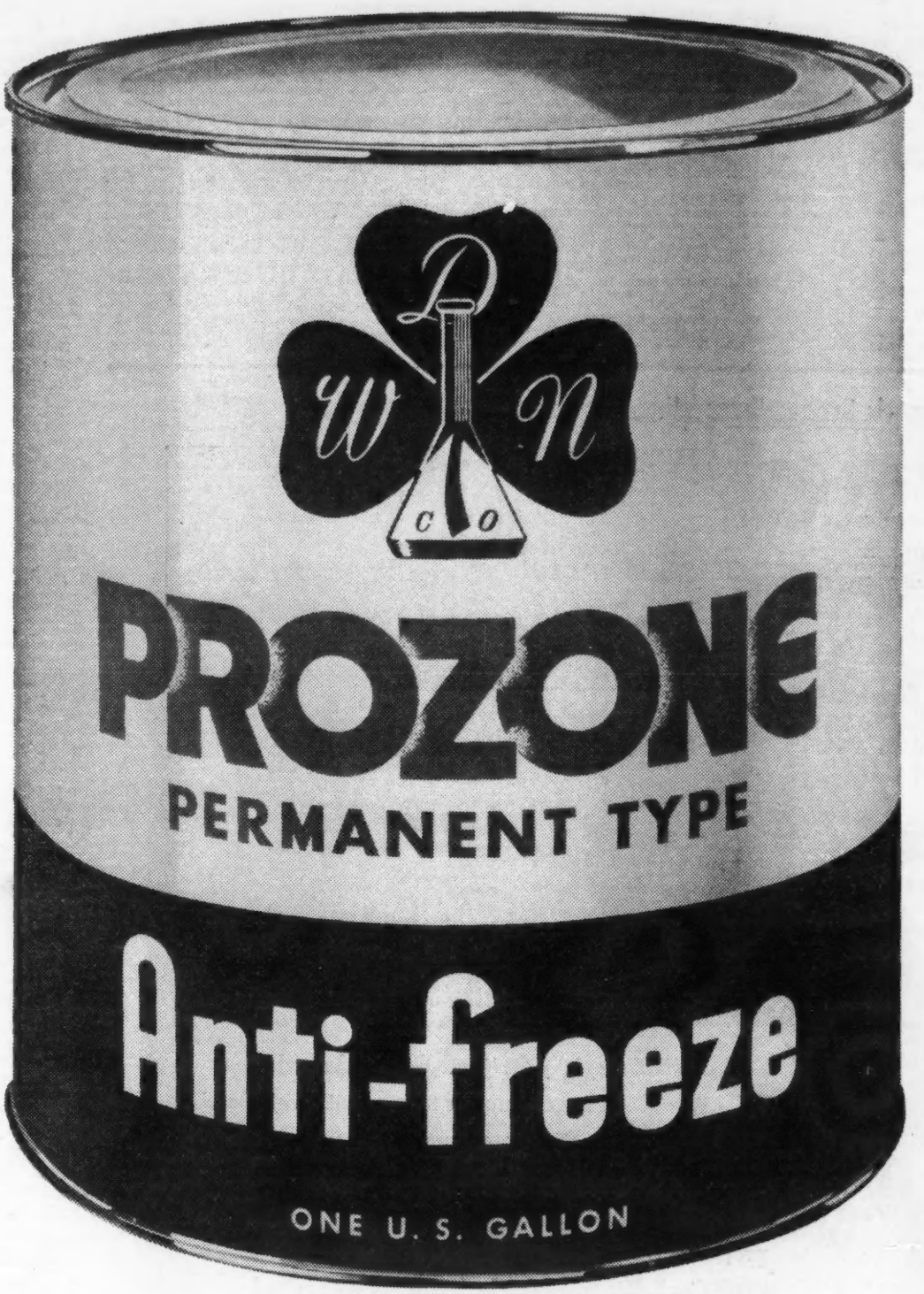
STAUFFER PRODUCTS

BHC (Benzene Hexachloride)
Borax
Boric Acid
Carbon Bisulphide
Carbon Tetrachloride
Caustic Soda
Chlordane
Chlorine
Citric Acid
DDT (Dichloro Diphenyl Trichloroethane)
Silicon Tetrachloride
Sodium Hydrosulphide
Sulphur (Specially processed for all industrial uses)
Sulphur Chloride
Sulphuric Acid
Tartaric Acid
Textile Stripper
Titanium Trichloride
Toxaphene (Chlorinated Camphene)
2 4-D (Acid Isopropyl Ester, Amine Salts)

Stauffer CHEMICALS SINCE 1885

STAUFFER CHEMICAL CO.

420 Lexington Avenue, New York 17, N. Y. · 221 North LaSalle Street, Chicago 1, Illinois
555 South Flower Street, Los Angeles 13, Calif. · 636 California Street, San Francisco 8, Calif.
424 Ohio Bldg., Akron 8, O. · Apopka, Fla. · N. Portland, Ore. · Houston 2, Tex. · Weslaco, Tex.



WILLIAM D. NEUBERG CO., INC.

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE. • NEW YORK 17, N. Y.

TELEPHONE OREGON 9-2550

CABLE—"WILNEUBERG"

Alphapicoline—Antimony Oxide

Alphapicoline, ret. dms., c.l., works, frt. equald..lb. .27 - .30
l.c.l., works, frt. equald.....lb. .29½- .30
Alphapinene, tanks, South, works.....gal. .47 - —
Alphaterpineol, dms., l.c.l., dlvd. E. .....lb. .18 - —
Alphatocopherol, bots. .....kilo.450.00 - —
Acetate, bots. .....kilo.450.00 - —
Althea root, NF, peeled, bls.....lb. .30 - .40
Alum, ammonia, gran., bbls., works, 100 lbs. 3.80 - —
lump, bbls., works.....100 lbs. 4.05 - —
powd., bbls., works.....100 lbs. 4.20 - —
USP, burnt, bbls. .....lb. .20 - .21
hydrous, bbls. .....lb. .07¾- .08
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works.....100 lbs. 4.30 - —
powd., bbls., works.....100 lbs. 4.45 - —
USP, hydrous, bbls. .....lb. .07¾- .08
Potash-chrome, dms .....lb. .17 - —
Soda, bbls., c.l., works.....100 lbs. 3.25 - —
l.c.l., dlvd .....100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works .....lb. .0365- —
l.c.l., works .....lb. .0525- .0725
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works..lb. .11 - —
20%, bbls., l.c.l., works.....lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., dlvd..lb. .10 - —
l.c.l., dlvd. .....lb. .10½- —
cryst., com'l, dms., c.l., works.lb. .0650- —
l.c.l., works .....lb. .0690- —
NF, gran., dms., works.....lb. .27 - .28
solution, 32°, cbys., c.l., works.lb. .03¼- —
l.c.l., works.....lb. .04 - —
Fluoride, tech., anhyd., bbls., c.l., frt. equald..lb. .10 - —
l.c.l., frt. alld.....lb. .11 - .13
Formate, basic solution, cbys., c.l..lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald..ton.50.00 -54.00
l.c.l., works.....ton.72.00 -86.00
light, bgs., dlvd.....lb .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works..lb. .21¼- —
contract, works.....lb. .20¼- —
8-9½% Al_2O_3, fib. dms., works..lb. .18¼- —
contract, works.....lb. .17¼- —
dried, USP XII, fib. dms., works. .lb. .79½- —
contract, works .lb. 76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls.....lb. .42 - —
Linoleate, solid, dms., frt. alld. .lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. .lb. .27 - —
pigs, 10,000 lbs.....lb. .16 - —
Naphthenate, liquid, 1.7%, frt. alld..lb. .24½- .25
Oleate, dms., precip.....lb. .35¼- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld..lb. .14 - .15
kgs., ton, frt. alld...lb. .12½- —
smaller lots, frt. alld. .lb. .13 - .15
280-400 mesh, dms., frt. alld..lb. .32 - .33
kgs., frt. alld.....lb. .31 - —
500 mesh, dms., frt. alld. .lb. .35 - .37
kgs., frt. alld.....lb. .34 - —
Aluminum oxide, crystalline, flour, classified, 600 mesh, dms., frt alld..lb. .51 - .53
kgs., frt. alld.....lb. .50 - —
optical, floated, kgs., dlvd....lb. .36 - .86
unclassified, dms., frt. alld. .lb. .16 - .17
kgs., frt. alld.....lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works..lb.13.50 - —
jars, works.....lb.15.00 -17.00

Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.

Paste, lining, extra fine, dms..lb. .58 - —
standard, dms.....lb. .39½- —
Powder, lining, extra fine, dms..lb. .96 - —
standard, dms.....lb. .64½- —
rubber comp., dms.....lb. .43½- —
unpolished, standard, dms....lb. .44½- —
varnish, standard, dms.....lb. .49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 or over.

Resinate, precip., dms., frt. alld.lb. .24 - —
Stearate, dibasic, ctns., c.l.....lb. .30 - —
l.c.l. .....lb. .31 - —
monobasic, ctns., c.l.....lb. .30 - —
l.c.l. .....lb. .31 - —
tribasic, ctns., c.l.....lb. .29 - —
l.c.l. .....lb. .31 - —

Aluminum sulphate, com'l, bgs., c.l., works, equald..100 lbs. 1.50 - —
l.c.l., same basis....100 lbs. 1.90 - —
iron-free, bgs., c.l., works, frt. equald..100 lbs. 2.75 - —
l.c.l., works.....100 lbs. 3.15 - —
NF, gran., dms., works.....lb. .27 - .28
powd., dms., works.....lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins.....oz. 8.50 -12.00
Aminoazotoluene, bbls.....lb. .85 - —
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminoethylethanolamine, dms., c.l., works..lb. .51½- —
l.c.l., works .....lb. .52 - —
tanks, works .....lb. .50 - —
Aminophylline, USP, bots., kgs..lb. 6.00 - —
Aminopyrine, USP, bots., dms...lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works..ton.74.00 -75.00
pure, cyls., extra.....lb. .17 - .21½
refrigeration, tanks, works..ton.77.50 - —
Aqua (29.4% NH_3), dms., c.l., works..100 lbs. 3.10 - —
l.c.l., works.....100 lbs. 3.50 - —
tanks, works, anhyd. basis..ton.80.00 -81.00
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works, frt. equald..100 lbs. 6.55 - —
l.c.l., same basis..100 lbs. 6.95 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works. .ton.80.00 -81.00
Ammonium acetate, purified, dms..lb. .39 - .40
reagent, jars.....lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld..lb. .80 - —
smaller lots, frt. alld...lb. .81 - 1.08
Biborate, bbls., c.l., works..ton.302.00 - —
ton lots, works.....ton.355.50 - —
less ton lots, works.....ton.360.50 - —
Bicarbonate, dms., works, c.l..lb. .05½- —
l.c.l., works, dms.....lb. .06 - —
Bichromate, bbls., works.....lb. .31 - .32
Bifluoride, dms., dlvd .....lb. .18 - .18½
Bromide, gran., NF, bbls.....lb. .36 - .37
dms. .....lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms. .lb. .18½- .22
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms.....lb. .18 - .19
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms.....lb. 2.40 - —
Iodide, NF, jars.....lb. 3.94 - 4.06
Linoleate, plastic, 80%, dms., works..lb. .40½- —
kgs., works .....lb. .42½- —
25%, dms., frt. alld.....lb. .21½- —
tech., bbls., works.....lb. .37 - —
dms., works .....lb. .39 - —
Molybdate, metal grade, kgs..lb. .90 - —
chemical grade, bbls., kgs..lb. .85 - —
A.C.S., grade, dms .....lb. .88 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point..ton.63.00 - —
dom., bgs., western works .ton.58.00 -59.00
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va..ton.46.00 - —
Oleate, dms., precip.....lb. .23¼- —
Oxalate, fine gran., dms.....lb. .25 - .29
dms., 100 lbs., lots.....lb. .27 - .31
Pentaborate, gran., bbls., c.l., works..ton.212.00 - —
ton lots, works.....ton.265.50 - —
less ton lots, works....ton.270.50 - —

Ammonia pentaborate powder, $10 per ton higher.

Perchlorate, kgs., works.....lb. .50 - .75
Persulphate, kgs.....lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works, .lb. .08 - —
l.c.l., works.....lb. .08½- —
dibasic, NF V, bbls., dms.....lb. .40 - —
tech., bgs., c.l., works.....lb. .08 - —
l.c.l., works.....lb. .08½- —
Salicylate, NF, dms., kgs.....lb. 1.25 - 1.28
Silicofluoride, dms., works....lb. .12 - .13
Stearate, 28%, dms.....lb. .21 - .31
paste, dms.....lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens..ton.45.00 -50.00
converters', bulk, works....ton.45.00 -50.50
Sulphide, liquid, 40-43% basis, 100%, dms., c.l., works. .lb. .10½- —
l.c.l., works.....lb. .15½- —
tanks, dlvd. or frt. alld.lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - .19
Thioglycollate, highly purified, 100% basis, cbys..lb. 1.70 - 2.25
commercial, same basis.....lb. 1.40 - 1.95
Thiosulphate, jars.....lb. .32 - .36
Amphetamine hydrochloride, dextro, dibasic, bots..lb.40.00 - —
monobasic, bots.....lb.38.00 - —
dextro-laevo, dms.....lb. 7.50 - —
phosphate, dextro, dibasic, bots. .lb.40.00 - —
dextro-laevo, dibasic, dms....lb. 7.50 - —
monobasic, dms.....lb. 7.00 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .16½- —
l.c.l., dlvd.....lb. .17½- —
tanks, dlvd.....lb. .15 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Nitrite, USP, bots.....lb. 1.75 - 1.83
Salicylate, cns., dms.....lb. .76 - .81
Anethol, com'l, dms., works.....lb. .50 - —
NF, cns., dms.....lb. .77 - .82
Angelica root, dom., bls.....lb. .65 - .70
imported, bls.....lb. .70 - .75
Angostura bark, bls.....lb. .44 - .49
Aniline oil, dms., c.l., works, frt. alld..lb. .15 - —
l.c.l., works, frt. alld.....lb. .16 - —
tanks, works, frt. alld.....lb. .14 - —
Salt, dms., works.....lb. .26 - —
Anise, Argentine, bgs.....lb. No stocks.
Chinese, star.....lb. .12½- .13
Cyprus, bgs.....lb. .20 - .20½
Mexican, bgs. .....lb. .15 - .15½
Syrian, bgs.....lb. .14½- .15
Anisic aldehyde, bots., dms.....lb. 1.95 - 2.20
Annatto paste, bxs.....lb. .34 - .37
Seed, bgs.....lb. .20 - .21
Anthracene, 80-85%, bbls., works lb. .60 - .86
90%, bbls., works.....lb. .81 - 1.00
Anthraquinone, 99.5%, bbls.....lb. .85 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .29 - .30
Metal, bulk, c.l., mines.....lb. .38½- —
Oxide, ceramic grade, bgs., c.l., dlvd..lb. .32 - .34
l.c.l., dlvd.....lb. .33 - .35
paint grade, bgs., c.l., works. .lb. .35¾- .36
l.c.l., works.....lb. .36¼- .37

WIRZ specially designed elongated nozzle on large-diameter tube permits just the right flow of caulking compound. Gives your product greater convenience in use. Assures smoother, easier application. Keeps compound in proper working condition down to the last bit. WIRZ Caulk-Tip tubes can be furnished with round or beveled opening ... maximum 5/16". Fitted with plastic caps, Wirz Caulk-Tip Tubes are decorated with Wirz famous hard, resistant finishes which withstand dirt and hard usage. Minimum order 100 gross. Write today for quotation, giving us the consistency of your product, the size you wish to pack and the quantity you need. Wirz new Tube Catalogue #R available on request.

ESTABLISHED 1898 A. H. WIRZ Inc. America's Pioneer Tube Manufacturer

2304 W. Townsend Street CHESTER, PA.

New York 17, N.Y. 50 E. 42nd St. | Chicago 4, Ill. 80 E. Jackson Blvd. | Memphis 2, Tenn. Wurzburg Bros. | Los Angeles, Calif. 1708 W. 8th St. | Havana, Cuba Roberto Ortiz Planos, Roberto Ortiz Hector

Export Division: 768 Drexel Bldg., Philadelphia 6, Pa.

Collapsible Metal Tubes • Lacquer Linings • Wax Linings • Westite Closures • Soft Metal Tubing • Household Can Spouts • Applicator Pipes • Compression and Injection Molding

Antimony salt, 65%, bgs., c.l., dlvd. E. of Miss ..... lb. No stocks.
Sulphide, 62-64%, bbls., c.l., dlvd. lb. .25 - —
L.c.l., dlvd ..... lb. .27 - —
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms ..... lb. 2.35 - 2.45
Apomorphine, USP, bots. ..... oz. 23.20 - 23.70
Archil extract, bbls ..... lb. No stocks.
Areca nuts, powd., bbls ..... lb. .22 - .25
Arecoline hydrobromide, NF, bots. oz. 6.10 - 6.75
Arginine hydrochloride, laevo kilo. 140.00 - 150.00
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity) 18.00 - 18.50
Arnica, flowers, bls ..... lb. .45 - .90
root, bls. ..... lb. 1.45 - —
Arrowroot, powd., bgs ..... lb. .13 - .16
Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Sulphide, yellow, bbls ..... lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd., bbls., c.l., dlvd. lb. .06 - —
l.c.l., dlvd ..... lb. .06¾ - .07
Asafetida, cs ..... lb. .32 - .35
powd., bbls., dms ..... lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canadian mines ton. 88.00 - —
5R, bgs., c.l. (20 tons), same basis ton. 79.00 - —
6D, bgs., c.l. (30 tons), same basis ton. 59.00 - —
7D, bgs., c.l. (30 tons), same basis ton. 52.50 - —
7F, bgs., c.l. (30 tons), same basis ton. 49.50 - —
7K, bgs., c.l. (30 tons), same basis ton. 35.50 - —
7M, bgs., c.l. (30 tons), same basis ton. 31.00 - —
7R, bgs., c.l. (30 tons), same basis ton. 30.00 - —
7RF, bgs., c.l., same basis ton. 31.00 - —
7T, bgs., c.l., same basis ton. 28.50 - —
7TF, bgs., c.l., same basis ton. 31.00 - —
Asphaltum, cut-back, tanks, tank wagon, refinery ..... gal. .09 - —
Emulsion, tanks, tank wagon, refinery ..... gal. .09½ - .10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines ton. 36.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines ton. 31.00 - —
jet, bgs., ton lots, gross weight, Colo. mines ton. 36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½ - —
process form, bgs., works lb. .05¾ - .13
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery ton. 22.00 - —
80-200 penetration, tanks, tankwagon, refinery ..... ton. 21.00 - —
Atropine, USP, bots. ..... oz. 13.50 - 15.00
Sulphate, USP, bots. ..... oz. 10.35 - 12.00

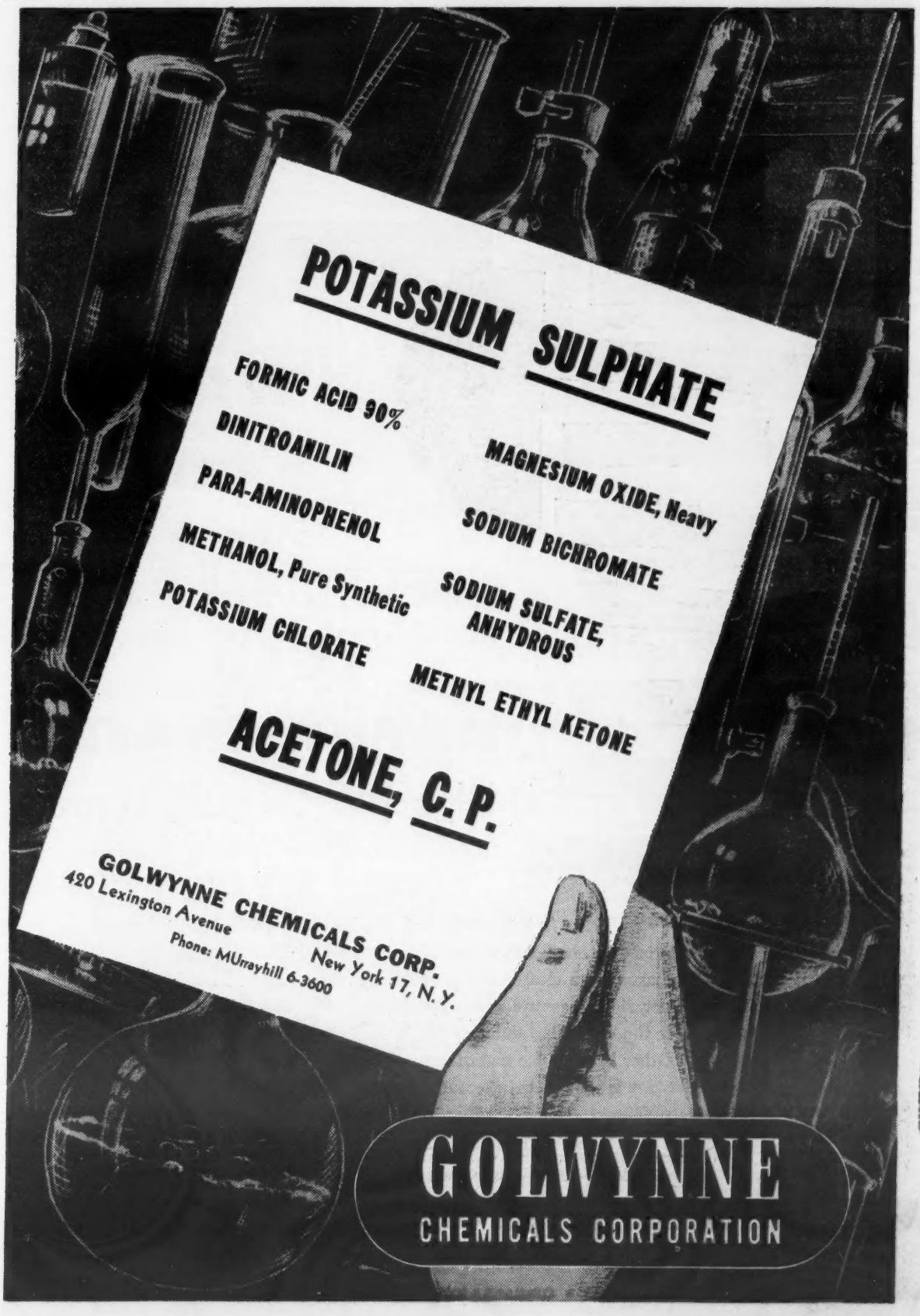
B

Bacitracin, bulk, unlabeled, topical, 2,000 units vial. .40 - —
10,000 units ..... vial. .78 - —
50,000 units ..... vial. 2.86 - —
Balm of Gilead buds, dried, bgs lb. 1.40 - 1.50
Barbasco root (see Cube root).
Barberry, root bark, bgs ..... lb. .60 - .65
tree bark, bgs ..... lb. .53 - .55
Barbital, USP, dms. ..... lb. 4.50 - —
Sodium, USP, dms. ..... lb. 4.75 - —
Barium carbonate, precip., bgs., 10 tons and up, works ton. 72.50 - 80.00
smaller lots, works ..... ton. 82.50 - 90.00
Chlorate, kgs., works ..... lb. .25½ - .31
Chloride, NF, cryst., dms ..... lb. .17 - .18
tech., bgs., c.l., works, frt. equald. ton. 90.00 - —
l.c.l., works. ..... ton. 100.00 - —
Chromate, bgs., frt. equald ..... lb. .31½ - .32
Dioxide, dms., c.l., works ..... lb. .12 - —
l.c.l., works ..... lb. .12 - —
Hydrate, crystals, bgs. ..... lb. .09 - .09½
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. ..... lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works ..... lb. .11½ - —
l.c.l., works ..... lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works ..... lb. .11½ - —
Peroxide (see Dioxide).
Stearate, ctns., c.l. ..... lb. .34 - —
smaller lots ..... lb. .35 - .36
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls ..... lb. .12½ - .13
Sulphide, dms., c.l., works .... ton. 55.00 - —
l.c.l., works ..... ton. 70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld. lb. .20 - —
l.c.l., works ..... lb. .21 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 - 12.50
Barytes, water-grd., paper bgs., c.l., St. Louis ton. 35.05 - —
l.c.l., same basis ..... ton. 36.85 - —
ex whse., N. Y. ..... ton. 49.65 - —
Southern off-color, bgs., mines ton. 19.00 - —
95.75%, bgs., mines ..... ton. 20.00 - —
Bay leaves (see Laurel leaves).
Belladonna leaf, bls ..... lb. .75 - 1.10
Root, bls ..... lb. .45 - .50
Bauxite, bulk, mines ..... ton. 8.50 - 10.00
Bentonite, 200 mesh, bgs., works ton. 11.00 - —
Benzaldehyde, NF, dms ..... lb. .68 - —
tech., cbys., dms ..... lb. .45 - —
Benzal chloride, cbys., works .... lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane)
11% gamma, tech., bgs., dms., c.l., works lb. .27½ - —
l.c.l., works ..... lb. .29¾ - —
6% gamma, 50% dust, dry, distributors, dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd ..... lb. .16 - —
wet, distributors, dms., c.l., dlvd lb. .16½ - —
l.c.l., dlvd ..... lb. .17½ - —
Benzidine base, bbls ..... lb. 1.02 - —
Benzocaine, cns ..... lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich. gal. .21 - —
Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward Ala., Youngstown, Ohio, gal. .20 - —
Benzophenone, dms ..... lb. 1.15 - 1.70
Benzothiazyl disulfide, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots. lb. .35 - —
less ton lots, same basis lb. .37 - —
Benzoyl chloride, cbys., dms., c.l., works, frt. eq. lb. .20½ - .21
l.c.l., same basis ..... lb. .21½ - .22
Peroxide, pure, fib. ctns., works. lb. .20 - 1.05

Benzyl acetate, f.f.c., dms. ..... lb. .80 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .88 - 1.00
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19½
l.c.l., same basis ..... lb. .20 - .20½
high grade, 2c. higher.
Cinnamate, cns ..... lb. 3.00 - 4.00
Formate, cns ..... lb. 1.60 - 3.50
Propionate, bots ..... lb. 1.34 - 2.30
Salicylate, bots. ..... lb. 1.55 - 2.25
Benzylidinacetone, bots. ..... lb. 1.85 - 2.70
Benzylisoeugenol, bots ..... lb. 8.90 - 9.00
Berberine bisulphate, cns. ..... lb. No stocks
Hydrochloride, bots. ..... lb. No stocks
Sulphate, cns. ..... lb. No stocks
Berberis root, bls ..... lb. .35 - .40
Betagammapicoline, dms., c.l., works, lb. .21 - 23½
l.c.l., works ..... lb. .21½ - 24
Betamethylnaphthalene, m.p., 32°C., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .75 - —
tech., bbls., c.l., works ..... lb. .30 - —
l.c.l., works ..... lb. .32 - —
Benzoate, fib. dms., works ..... lb. 1.75 - —
Salicylate, dms. ..... lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .80 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots ..... lb. 1.60 - —
Betapicolin, 90%-95%, dms., c.l., works lb. 1.35 - —
98%, dms., c.l., works ..... lb. 1.85 - —
Beth root, bls. ..... lb. .45 - .50
Biotin, cryst. ..... gram. 12.50 - —
Bismuth chloride, jars ..... lb. 3.95 - —

Bismuth citrate, USP VIII, jars lb. 3.27 - —
Hydroxide, dms ..... lb. 4.18 - —
Metal, bxs., ton lots ..... lb. 2.00 - —
Nitrate, cryst., dms ..... lb. 1.85 - —
Oxychloride, dms ..... lb. 3.97 - —
Oxide, anhydrous, dms ..... lb. 4.60 - —
Phenolsulphonate, fib. dms .... lb. 4.70 - —
Subcarbonate, USP, dms ..... lb. 2.80 - —
Subgallate, NF, fib. dms ..... lb. 2.75 - —
Subiodide, fib. dms. ..... lb. 4.90 - —
Subnitrate, NF, dms ..... lb. 2.30 - —
Subsalicylate, USP, dms ..... lb. 3.20 - —
Bismuth-ammonium citrate, USP, powd., dms lb. 3.80 - —
Black, acetylene, bgs., c.l., works lb. .13½ - —
cs., l.c.l., shipt. point ..... lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd .... lb. .14⅞ - .23¾
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works lb. .0650 - —
bgs., c.l., works ..... lb. .0690 - —
l.c.l., dlvd. or whse .... lb. .1125 - .117
uncompressed, regular, bgs., c.l., works lb. .0632 - —
bgs., ctns., l.c.l., dlvd. or whse lb. .13¾ - —
furnace, fast extruding, bgs., c.l., works lb. .05½ - —
ctns., l.c.l., whse ..... lb. .09½ - —
high modulus, bgs., c.l., works, lb. .05 - —
ctns., l.c.l., whse ..... lb. .09 - —

Black, carbon, furnace, semi-reinforcing, bgs., c.l., works lb. .03½ - —
ctns., l.c.l., whse ..... lb. .07½ - —
very fine, bgs., c.l., works lb. .0740 - —
l.c.l., dlvd. or whse ..... lb. .1125 - .1170
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .10¾ - —
l.c.l., works ..... lb. .11 - —
Lamp, bgs., c.l., works ..... lb. .07 - .30
Mineral, bgs., works ..... lb. .0160 - 0675
Black ash (see Barium sulphide).
Blackberry root, bls. ..... lb .12 - .13
bark of root, bls ..... lb. .30 - .32
Black dyes (see Dyes).
Black haw, root bark, bls ..... lb. .70 - .80
Tree bark, bls ..... lb. .28 .30
Black Indian hemp root, bls ..... lb. .45 - .50
Blanc fixe, dry, by-product, bgs., c.l., works ton. 77.50 - —
l.c.l., works ..... ton. 85.00 - —
direct process, bgs., c.l., works ton. 85.00 - —
l.c.l., works ..... ton. 90.00 - —
N. Y. whse ..... ton. 106.00 - —
bbls., c.l., works ..... ton. 90.00 - —
l.c.l., works ..... ton. 95.00 - —
N. Y. whse. ..... ton. 113.00 - —
pulp, 66⅔%, bbls., c.l., works, ton. 67.00 - —
l.c.l., same basis ..... ton. 73.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.25 - —
l.c.l., works ..... 100 lbs. 4.75 - —



Blood, Dried—Calcium Cyanide

Blood, dried, 16-16½% ammo., bgs., unit-ton. 5.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 10.00 - —
soluble, bgs., c.l. ..... lb. .17 - .20
l.c.l. ..... lb. .18 - .22½
Bloodroot, bls ..... lb. .43 - .45
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis ..... lb. 1.90 - —
Toner, bbls., litho flushed, same basis .. lb. 1.05 - —
Celestial, bbls., same basis ..... lb. .15 - .16
Chinese, bbls., same basis ..... lb. .45 - —
Cobalt, genuine, bbls., same basis. lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls., same basis ..... lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis .. lb. 4.20 - —
Milori, bbls., same basis ..... lb. .45 - —
Peacock, fugitive, 100% color strength, same basis .. lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis .. lb. 3.75 - —
tungstic ..... lb. 4.00 - —
Potash, CP, bbls., same basis .. lb. .51 - —
Prussian, bbls., same basis .... lb. .45 - —
soluble, bbls., same basis .... lb. .45 - —
Soda, C.P., bronze, bbls., same basis .. lb. .39 - —
Blue, ultramarine, cobalt type, dry or pulp, bbls., same basis .. lb. .25 - .26½
jobbing type, dry, bbls., same basis .. lb. .14 - —
regular types, dry or pulp, bbls., same basis .. lb. .19 - .29
Victoria toner, molybdic, bbls .. lb. 3.75 - —
Tungstic, bbls ..... lb. 3.75 - —
Violet toner, molybdic, bbls., same basis .. lb. 1.24 - —
Tungstic, kgs., same basis .... lb. 2.60 - 2.70

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.8c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.

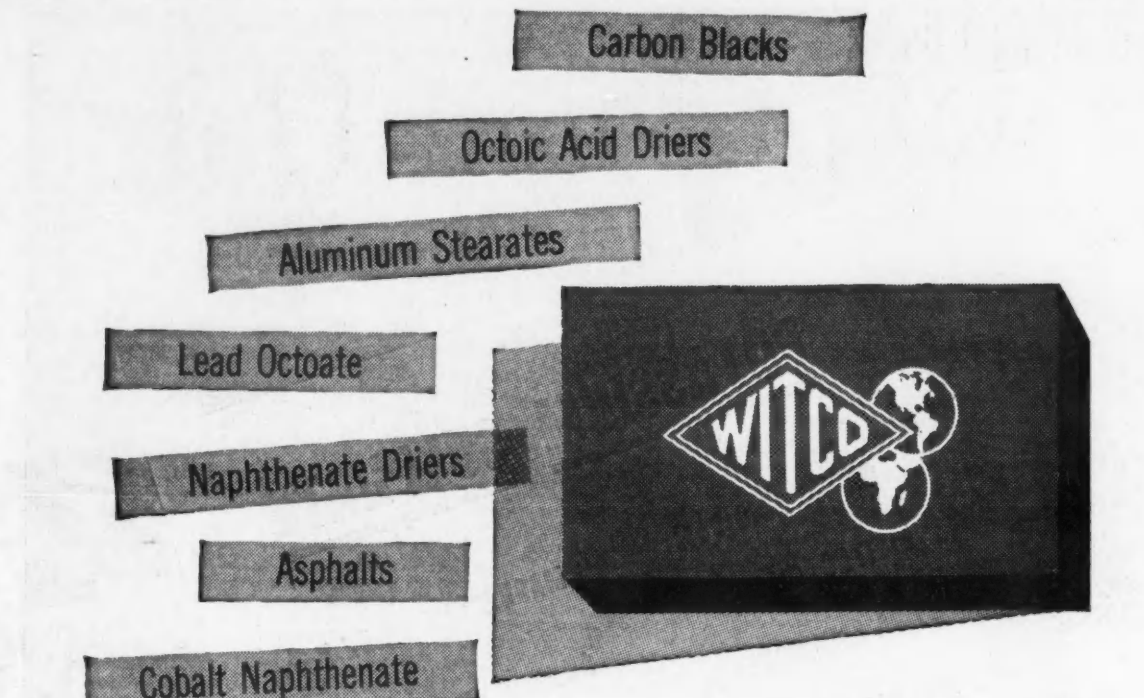
Blueflag, root, bls. ..... lb. .45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls ..... lb. .09 - .10
Bone, raw, bulk, Chicago ..... ton. 75.00 - —
junk, bulk, same basis ..... ton. 50.00 - 52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works .. ton. 70.00 - —
Chicago, works ..... ton. 70.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works .. ton. 75.00 - —
Chicago, works ..... ton. 75.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton. 75.00 - —
Chicago, works ..... ton. 75.00 - —
Phosphate, defluorinated (see D). precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls ..... lb. .14 - .16
Borage flowers, bls ..... lb. .40 - .45
Borax, tech, anhydrous, bgs., c.l., works .. ton. 70.50 - —
ton lots, ex whse, N. Y. or Chi .. ton. 115.25 - —
less ton lots, same basis, ton. 120.25 - —
bbls., c.l., works ..... ton. 90.50 - —
ton lots, ex whse, N. Y. or Chi .. ton. 135.25 - —
less ton lots, same basis, ton. 140.25 - —
bulk, c.l., works ..... ton. 64.00 - —
crystals, 99½%, bgs., c.l., works. ton. 61.25 - —
ton lots, ex whse, N. Y. or Chi .. ton. 106.00 - —
less ton lots, same basis, ton. 111.00 - —
bbls., c.l., works ..... ton. 81.25 - —
ton lots, ex whse, N. Y. or Chi .. ton. 126.00 - —
less ton lots, same basis, ton. 131.00 - —
bulk, c.l., works ..... ton. 57.25 - —
granular, 99½%, bgs., c.l., works ton. 35.25 - —
ton lots, ex whse, N. Y. or Chi .. ton. 80.00 - —
less ton lots, same basis, ton. 85.00 - —
bbls., c.l., works ..... ton. 55.25 - —
ton lots, ex whse, N. Y. or Chi .. ton. 100.00 - —
less ton lots, same basis, ton. 105.00 - —
bulk, c.l., works ..... ton. 31.25 - —
powdered, 99½%, bgs., c.l., works .. ton. 40.25 - —
ton lots, ex whse, N. Y. or Chi .. ton. 65.00 - —
less ton lots, same basis, ton. 90.00 - —
Borax, tech., powd., 99½%, bbls., c.l., works .. ton. 60.25 - —
ton lots, ex whse, N. Y. or Chi .. ton. 105.00 - —
less ton lots, same basis, ton. 110.00 - —
bulk, c.l., works ..... ton. 36.25 - —

Borax packed in kgs. is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point .. lb. .15 - .21
l.c.l., same basis ..... lb. .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies .. lb. .21 - —
1,000 lbs., same basis ..... lb. .23 - —
single pkgs., same basis .. lb. .28 - —
dms., lead-lined, c.l., dlvd .. lb. .19 - —
Bromoform, USP, bots ..... lb. 1.50 - 1.70
cbys. ..... lb. 1.42 - —
Bromstyrol, bots ..... lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works. lb. .50 - .60
moulding, cans, dms., works. lb. .80 - 1.00
printing ink, cans, dms., works .. lb. .95 - 1.10
radiator, cans, dms., works. lb. .60 - .85
Broomtop, bls. ..... lb. .25 - .26
Brown, iron, synth., bgs., l.c.l., works .. lb. .12½ - —
Oxide, metallic, bgs., works .. lb. .03 - .03¼
Sap, crystals, works ..... lb. .12 - —
powdered ..... lb. .13 - —
Sienna, burnt, paper bags., c.l., works. lb. .03¾ - .14¾
l.c.l., works ..... lb. .04 - .15
raw, paper bgs., c.l., works .. lb. .04 - .12½
l.c.l., works ..... lb. .04¼ - .12¾
Umber, burnt, American, c.l., bbls., works .. lb. .04¾ - .05¾
l.c.l., bgs., works ..... lb. .05 - .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y. lb. .05¾ - .07¾
l.c.l., works ..... lb. .06 - .08
raw, American, bgs., same basis lb. .03¾ - .06
Turkey type, bgs., same basis lb. .06 - .06¼
Vandyke, bbls., works ..... lb. .09¾ - .12
Brucine, cns., 100 ozs ..... oz. .45 - —
Sulphate, NF, cns., 100 ozs ..... oz. .35 - —
Bryonia root, bls ..... lb. .30 - .35
Buchu leaves, bls ..... lb. .80 - .85
Buckthorn bark, bls ..... lb. .14 - .16
cut and sifted, bls ..... lb. .25 - .27
Berries, bgs ..... lb. .80 - .90
Burdock, root, bls ..... lb. .20 - .26
Butadiene, cyls., refy ..... lb. .1[illegible] - —
tanks, same basis ..... lb. .11½ - —
Butane, indust., tanks, group 3 .. gal. .03½ - —
Butternut bark, bls ..... lb. .19 - .25
Butyl acetate, normal, ferment., lll., ind., prod., dms., c.l., works, frt. alld ..... lb. .14 - —
l.c.l., same basis ..... lb. .15 - —
tanks, same basis ..... lb. .12½ - —
tankwagons, same basis. lb. .13 - —
other production, dms., c.l., same basis .. lb. .14 - —
l.c.l., same basis ..... lb. .15 - —
tanks, same basis ..... lb. .12½ - —
synthetic, normal, dms., c.l., same basis .. lb. .14 - —
l.c.l., same basis ..... lb. .15 - —
tanks, same basis ..... lb. .12½ - —
secondary, dms., c.l., same basis .. lb. .11½ - —
l.c.l., same basis ..... lb. .12 - —
tanks, same basis ..... lb. .10 - —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works ..... lb. .17½ - —
l.c.l., works ..... lb. .18½ - —
tanks, works ..... lb. .16 - —
Ether (see Ether, butyl)
Isobutyl methacrylate, P-5, 50/50, cns., works .. lb. .60 - —
Lactate, dms., c.l., frt. alld. E. of Rockies .. lb. .42½ - —
l.c.l., same basis ..... lb. .43½ - —
tanks, same basis ..... lb. .41 - —
Laurate, dms., works ..... lb. .42 - —
Methacrylate, M-4, dms., works lb. .60 - —
cns., works ..... lb. .63 - .67
P-4, cns., works ..... lb. .65 - —
Myristate, dms., works ..... lb. No prices.
Oleate, refd., dms., l.c.l., works lb. .52 - —
Phenylacetate, dms ..... lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd ..... lb. No stocks
tanks, dlvd. ..... lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies .. lb. .32 - —
l.c.l., same basis ..... lb. .33 - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium bromide, jars ..... lb. 2.49 - 2.80
Iodide, jars ..... lb. 5.10 - —
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd. lb. 2.00 - —
patent shapes, cs., dlvd ..... lb. 2.15 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, natural, USP, cryst., dms., 100 lbs. or more ..... lb. 4.75 - —
anhydrous, dms., 100 lbs. or more .. lb. 5.00 - —
Synthetic, USP, cryst., dms., 100 lbs. or more .. lb. 3.80 - —
anhydrous, dms. 100 lbs. or more .. lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more .. lb. 2.60 - —
Hydrobromide, bots ..... lb. 6.70 Nom.
Calabar beans, bgs., futures .... lb. .65 .66
Calamine, USP, dms ..... lb. .27 - .29
Calamus root, dom., bgs ..... lb. .27 - .30
imported, bleached, bls ..... lb. .70 Nom.
peeled, bls ..... lb. .30 - .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works .. gram. 4.00 - —
1,000 to 10,000 s.u., works .. gram. 4.40 - —
less than 1,000 s.u., works .. gram. 4.80 - —
in edible oil, dms., 10,000 or more . .10 - —
1,000 to 10,000 s.u., works ... unit. .11 - —
less than 1,000 s.u., works unit. .12 - —
Calcium acetate, bgs., dlvd .. 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld .. lb. .09½ - —
l.c.l., same basis ..... lb. .10½ - —
Bromide, NF, jars ..... lb. .75 - .85
Carbide, standard generator size, dms., c.l., dlvd .. ton. 121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars .. lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald .. ton. 22.00 —
l.c.l., same basis ..... ton. 37.00 67.00
liquor, works, basis 40%, tank-cars .. ton. 9.00 —
pellets, bgs., c.l. works .... ton. 29.00 - —
solid, 73-75%, dms., c.l., works, same basis .. ton. 20.00 - —
l.c.l., works, same basis .. ton. 30.00 59.00
USP, gran., bbls ..... lb. .30 - —
Chromate, bgs., frt. equald .... lb. .29½ - .30
Cyanide, dms., dlvd. E. of Rockies. lb. .39 - .50



IMPROVED BY WITCO

LEAD NAPHTHENATE

to help improve the quality of paint

Witco's improved Lead Naphthenate Drier *16% or 24%* is characterized by excellent stability in drying oils and an exceedingly light color—thus assuring a clearer end product. Developed and manufactured by Witco under rigidly controlled conditions, this new Lead Naphthenate Drier is now standard in the Witco line and is available in commercial quantities for immediate delivery. Other basic Witco materials for the paint industry are listed on this page. Send today for complete information and samples.

YOU KNOW THAT WITCO MAKES HIGHEST QUALITY PRODUCTS

WITCO CHEMICAL COMPANY MANUFACTURERS AND EXPORTERS

295 MADISON AVENUE, NEW YORK 17, N. Y.

LOS ANGELES • BOSTON • CHICAGO • DETROIT • CLEVELAND • SAN FRANCISCO • AKRON • LONDON and MANCHESTER, ENGLAND

Calcium gluconate, AA, bbls., dms. lb. .65 - .72
USP, bbls., dms. lb. .58 - .63
Glycerophosphate, NF, fib. dms. lb. 1.65 - 1.90
Hydride, dms.. works lb. .90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm. 24.00 -28.50
cns., cased (45 lbs.) same basis cs. 19.75 -21.50
Hypophosphite, 50-lb. lots, dms lb. .80 - .83
Iodide, jars lb. 4.12 - —
Lactate, USP, dms lb. .37 - .44
Mandelate, USP, dms., works lb. 2.10 - —
Naphthenate, liq., 4% Ca, dms., frt. alld lb. .23¾- —
Nitrate, tech., works lb. .07 - .09
Pantothenate, dextro, jars gram .07½- —
Phenolsulphonate, dms. lb. .59 - .60
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feed grade, bgs., 10 tons, works. ton. 105.00 - —
one ton or over, works ton. 115.00 - —
less than one ton, works ton. 125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
smaller lots, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .22 - —
Resinate, precip., dms., frt. alld. works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Stearate, precip., ctns., c.l., works. lb. .32 - —
l.c.l., works lb. .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton. 45.00 - —
70%, bgs., c.l., works ton. 50.00 - —
luminous, tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, dms., works lb. 1.50 - 1.75
Calendula flowers, bls lb. .50 - .85
Calomel, USP, cryst., dms lb. 1.82 - 1.83
fine powd., dms lb. 1.97 - 1.98
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, NF, monobromated, dms., kgs lb. 3.10 - 3.20
Camphor, natural lb No stocks.
synth., tech., bbls., 2,000 lbs. or more, works lb .42 - —
10 bbls. (1,500 lbs.) lb. .44½- —
smaller lots lb. .45 - .55
USP, gran., powd., bbls., 2,000-lb. lots lb. .58 - —
1,000-lb. lots lb. .59 - —
smaller lots lb. .60 - —
tablets, tins, 2,000-lb. lots lb. .78 - —
1,000-lb. lots lb. .79 - —
smaller lots lb. .80 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb. .25 - .30
Cantharides, Chinese, cs lb. 1.10 - 1.30
powd., bxs lb. 1.25 - 1.50
Russian, bgs lb. 4.50 - 5.00
powd., bxs. lb. 5.75 - 6.00
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns lb. 6.50 - 6.75
Caramel coloring, NF, bbls gal. 1.02 - 1.20
Caraway seed, Danish, bgs lb. .16¾- .17¼
Dutch, bgs lb. .17 - .17½
Carbazole, 97%, steel dms., ton lots, works lb. 1.75 - —
fib. dms., same basis lb. 1.70 - —
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. E lb. .13 - —
l.c.l., same basis lb. .13½- —
tanks, same basis lb. .11½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis lb. .07¼- —
5-gal. dms., same basis lb. .09½- —
l.c.l., same basis lb. .08¾- —
tankcars, same basis lb. .0445- —
Dioxide, cyls lb. .06 - .08
Tetrachloride, CP, dms., works lb. .09 - .11½
tech., dms., E. of Rockies, c.l., frt. alld lb. .08 - —
l.c.l., same basis lb. .08½- —
W. of Rockies, c.l., f.o.b. stock points lb. .08½- —
l.c.l., frt. alld. lb. .09 - —
NF, cbys lb. .17 - .19
Carboxymethylcellulose-sodium—See CMC.
Carbromal, NF, dms., ton lots, works lb. 4.25 - —
100-lb. lots, works lb. 4.75 - —
Cardamom fruit, bleached, bold, cs., lb. 3.40 - 3.45
medium, cs lb. 3.25 - 3.30
Coorges, cs., futures lb. 2.25 - 2.30
decorticated, Guatemalan, cs., futures lb. 2.63 - 2.65
Indian, cs lb. No stocks.
green, Alleppey, bgs., futures lb. 2.65 Nom.
Seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF, bulk, 100 lbs. or more lb. 5.50 - —
smaller lots lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta. 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
bulk grain quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works gm. .62 - —
dry powder, 3,330 A units per gram lb. .70 - —
emulsion (in milk), 500,000 A units per 16-oz. cn. cn. .85 - —
in vegetable oil, 250,000 A units per gram lb. 37.24 - —
50,000 A units per gram lb. 7.87 - —
26,000 A units per gram, tins, works milli. units. .32 - —
dms., works milli. units. .30 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .50 - —
Carvol, bots lb. 10.00 -16.00
Cascara sagrada bark, bulk lb. .26 - .28
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point lb. .20 - .21
rennet-precip., 10,000 lbs. or more, same basis lb. .28 Nom
imported, acid-precip., ground, bgs. or more lb. .18 - .19
Cashew nut liq., treated, dms., c.l., f.o.b. Newark, N. J. lb. .21 - —
ton lots, same basis lb. .22¼- —
dm. lots, same basis lb. .24¼- —
Cassia bark, Batavia, longstick, bls. lb. .27 - .28
broken, bls lb. .25 - .25½
short stick, bls lb. .23 - .24
Cassia, China, Canton, rolls, select, cs lb. .11 - .11½
broken, bls lb. .10½- .10¾
Honan, rolls, scraped, bls lb. .15 - .16
broken, bls lb. .14½- .15½
unscraped, bls lb. .13½- .14
broken, bls lb. .12½- .13
Yunnan, rolls, scraped, bls lb. .15 - .16
broken, bls lb. .14½- .15½
unscraped, bls lb. .12½- .13½
broken, bls lb. .12 - .13
Saigon, broken, bls lb. .25 - .28
medium, bls lb. .34 - .35
thin, bls lb. .41 - .42
Buds, China, bgs lb. .23 - .24
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., Brazilian ports, long ton 103.00 -104.00
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton. 21.00 - —
Castoreum, nat., cns lb. 12.00 -45.00
synthetic, cns lb. 22.00 - —
Catechol, CP, cryst., fib. dms., works. lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls lb. .50 - .55
Celery seed, French, bgs lb. .28 - .28½
Indian, bgs. lb. .25 - .25½
futures, bgs lb. .24½- .25
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .38 - .40
granules, ctns., same basis lb. .42 - —
molding composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld. lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
Cellulose acetate, molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .44 - .49
Butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .49 - —
less than 500 lbs., works, lb. .50 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
48% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld., lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., l.c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .40 - —
Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100-lb. lots, works lb. 1.85 - —

Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02⅞- .05⅛
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton. 40.00 - —
papermakers, bgs., c.l., works. ton. 32.50 -40.00
rubber makers, bgs., c.l., works. ton. 30.00 - —
Chamomile flowers, Hungarian, cs. lb. .45 - .48
Roman, bls lb. .95 - 1.00
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32¼
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bulk, c.l., works ton. 49.80 - —
bgs., c.l., works ton. 51.80 - —
granular, bgs., incl., c.l., works. ton. 46.80 -59.00
lump, bulk, c.l., works ton. 38.80 -43.50
bgs., extra, returnable, c.l., works ton. 41.80 -45.50
Pinewood, gran., powd., bgs., c.l., works, South ton. 40.00 - —
l.c.l., works ton. 50.00 -60.00
lump, bgs., c.l., works, South ton. 35.00 - —
Willow, powd., bbls lb. .06 - .07
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0465- —
l.c.l., works lb. .0495- —
tanks, works lb. .0375- .0390
powd., 65% tannin, bgs., extra, c.l., works lb. .1105- —
l.c.l., works lb. .2170- .1180
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works ton. 12.50 -13.00
l.c.l., works ton. 13.50- 14.00
bulk, c.l., works ton. 9.50 -10.00
200 mesh, bgs., c.l., works ton. 10.00 -12.00
l.c.l., works ton. 11.00 -16.00

Inside and Out...

Chromium Chemicals beautify and protect

"HOME SWEET HOME"

START at the roof which is probably covered by granules of light-fast, fireproof Chrome Oxide Green, then notice the doors, screens and shutters. Chances are these are beautified and protected with Chrome Green paint. Even the lumber which forms the structure itself may have been treated with Chromate to prevent its destruction by rot and termites.

Among the first items to meet the eye upon entering the house are wall paper, floor coverings, draperies and upholstery. All of these, including Dad's leather-covered easy chair, are made by processes involving the use of Chromium Chemicals. Then visit the kitchen and bathroom noting how bright, tarnish-proof Chromium Plating enhances the beauty and protects the metal surfaces of plumbing fixtures and electrical appliance.

Mutual's two complete plants supplemented by dealer's warehouse stocks, are geared to serve those industries making supplies for the home builder. The quality of Mutual products and the standard of service rendered in their sale and distribution were never higher than they are today.

Sodium Bichromate
Potassium Bichromate

Sodium Chromate
Chromic Acid

MUTUAL CHEMICAL COMPANY OF AMERICA
270 MADISON AVENUE, NEW YORK 16, NEW YORK
Plants: Baltimore, Md. Jersey City, N. J.

MUTUAL CHEMICAL CO. OF AMERICA — NEW YORK N.Y.

Mutual
CHROMIUM CHEMICALS

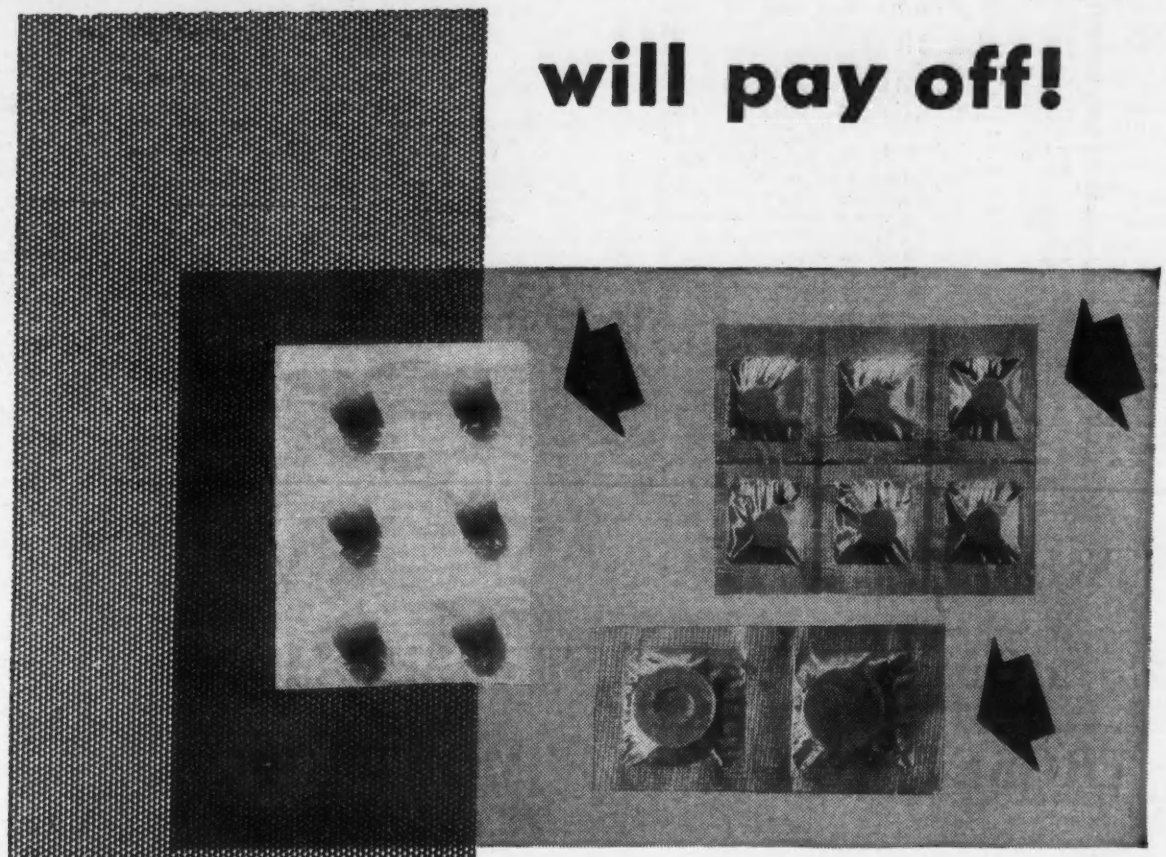
China Clay, Domestic—Dyes, Coaltar, General Use

China clay, dom., wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works ton 13.00 - —
paper bgs., c.l. works, ton 15.00 - —
imported, white lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila net ton 16.00 - 35.00
powd., bgs., c.l., ex dock ton 45.00 - —
l.c.l., ex whse ton 50.00 - 55.00
Chloral, tech., dms., c.l., works lb. .41 - —
l.c.l., works lb. .42 - —
tanks, works lb. .40 - —
Hydrate, USP, jars lb. 1.05 - 1.15
Chloramine T, NF, bbls., works lb. .75 - —
Chlordane, agricultural, dms., l.c.l., stock points lb. .82 - 2.00
refined, dms., stock points lb. .97 - 2.15
Chlorinated paraffin, dms., works lb. .12¼ - .13½
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, liquid, cyls., c.l., works lb. .07 - .12
l.c.l., stock points lb. .09 - .19
tanks, single units, works, frt. equald 100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 2.70 - —
2 cars, same basis 100 lbs. 3.30 - —
1 car, same basis 100 lbs. 3.90 - —
Chloroform, tech., dms., c.l., dlvd., E lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .33
Chloro(4)-2-Toluidine, sbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots lb. 4.00 - 4.50
Chloropicrin, com'l, bots lb. 1.40 - —
cyls., 150-lbs., frt. alld lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline chloride, fib. dms., works lb. 3.00 - 3.10
feed grade, fib. dms., works lb. 2.20 - —
Dihydrogen citrate, fib. dms., works, lb. 3.00 - 3.10
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7%, bbls., cs lb. .08 - .08½
8½%, bbls., cs. lb. No stocks
Fluoride, bbls., works lb. .44½ -
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls lb. .49 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots lb. 7.65 - 9.24
Cinchona bark, N.F., red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. .40 - .45
yellow, broken, bgs. lb. .35 - .40
Cinchonidine, small cryst., cns., 100 ozs oz. .95 - —
Sulphate, cns., 100 oz. oz. .55 - —
Cinchonine, large cryst., cns., 100 ozs oz. .69 - —
small cryst., cns., 100 ozs oz. .65 - —
Sulphate, N.F., cns., 100 ozs oz. .42 - —
Cinchophen, NF, heavy, dms., works lb. 3.70 - 4.05
Standard, dms., works lb. 3.50 - 3.85
Cinchophen-sodium, standard, dms., works lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms lb. .83 - .90
Cinnamon, Ceylon, No. 2, bls lb. .16½ - .17
Citral, bots., cns. lb. 3.60 - 5.00
Citronellal, bots., dms lb. 2.50 - 7.75
Citronellol, bots., dms lb. 2.95 - 4.75
Civet, bots oz. 5.50 -15.00
Clove, Madagascar, bls lb. .22 - .22½
futures, bls. lb. .21½ - .22
Zanzibar, bls lb. .25½ - .26
futures lb. .23½ - .24
Clover tops, red, dom., bgs lb. .55 - .65
imported, bgs. lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .63 - —
smaller lots, same basis lb. .65 - .75
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .60 - —
smaller lots, same basis lb. .62 - .72
tech., low vis., dms., c.l., works lb. .30 - —
l.c.l., works lb. .32 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .24½ - —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse. gal. .14½ - —
refd., resale, bbls., c.l., ex-whse, gal. .25½ - —
l.c.l., ex-whse. gal. .27 - —
tanks, ex-whse gal .15½ - —
Cobalt acetate, bbls., dlvd lb. .93½ - —
Carbonate, powd., bgs., works lb. 1.65 - —
feed grade, 49½% Co, kgs. lb. 1.65 - —
Chloride, kgs., works lb. .91¼ - —
feed grade, 24.5% Co, kgs. lb. .91¼ - —
Hydrate, bbls lb. 2.13 - —
feed grade, 62% Co, kgs lb. 2.13 - —
Linoleate, paste, 6% Co, dms. lb. .57 - —
solid, 8½%, Co, dms lb. .66½ - —
8% Co, dms lb. .62½ - —
Naphthenate, liq., 6% Co, dms lb. .37¼ - —
Nitrate, feed grade, 20.4% Co, bbls. lb. .78¾ - —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs lb. 1.31¼ - —
Resinate, fused, 3% Co, dms lb. .22¾ - —
Sulphate, bgs. lb. .68¼ - —
feed grade, 21% Co, kgs lb. 1.05 - —
Cobalt salts, prices are on dlvd., basis.
Cobalt-ammonium sulphate, 14% Co, kgs. lb. .75 - —
Cocaine, USP, cns., 100-oz oz. 15.00 - —
Hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark, bgs lb. .16 - .17
Cocoa butter, bgs lb. .43½ - .44½
Codeine, NF, cns., 100 ozs oz. 13.25 - —
Hydrochloride, cns., 100 ozs oz. 11.85 - —
Phosphate, USP, cns., 100 ozs oz. 10.25 - —
Sulphate, USP, cns., 100 ozs oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .24 - .26
Blue, root, bls lb. .17 - .19
Colchicine, USP, bots., cns oz. 145.00 - 160.00
Colchicum root, bls lb. .60 - .65
Seed, bgs lb. 2.25 - 2.50
Collodion, USP, dms lb. .24 - .29
Flexible, USP, dms lb. .25½ - .30½
Colocynth, pulp, bls lb. .35 - .40
Colombo root, bls lb. .18 - .23
Coltsfoot leaves, bgs lb. .30 - .35
Condurango bark, bgs lb. .18 - .20
Copaiba balsam, cns., dms lb. .65 - .69
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bbls lb. .218 - .2525
Chloride, anhyd., bbls., works lb. .25½ - —
crystals, bbls., works lb. .17¼ - —
Citrate, USP, 5-lb bots lb. 2.40 - —
Cyanide, tech., bbls lb. .45 - .48
Gluconate, dms., cns lb 3.00 - 3.20
Copper hydrate, dms., dlvd. E. Miss. lb. .24¼ - .24¾
Metal, electrolytic, dlvd lb. .17⅞ - —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¼ - —
Nitrate, tech., cryst., bbls., works. lb. .21¼ - —
Oleate, liquid, 8.5% Cu, bbls lb. .27 - —
solid, 10% Cu, bbls lb. .39 - —
Oxide, black, bbls., works lb. .24¼ - .26¾
red, com'l, bbls., works lb. .26½ - .30
Oxychloride-sulphate, bgs., frt. alld lb. .24¼ - .27¼
Quinolate lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .23½ - —
Stearate, bgs., works lb. .39½ - —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l. 100 lbs. 7.25 - 8.00
CP, cryst., gran., dms., works. lb. .12¾ - —
monohydrated, 35%, dms., c.l., dlvd 100 lbs. 11.90 - —
tribasic, dealers, bgs., c.l., works lb. .1815 - —
l.c.l., works lb. .2050 - —
USP, gran., cryst., dms lb. .10 - .25
Copperas, cryst., gran., bgs., c.l., works ton. 17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton. 20.00 - —
bulk, c.l., works ton. 14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton. 187.50 - —
Pacific ports ton. 182.50 - —
Coriander seed, Argentine, bgs., futures lb. .07½ - .07¾
Italian, bgs. lb. .07 Nom.
Moroccan, bgs., afloat lb. .07½ - .08
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.63 - —
bbls., c.l., same basis 100 lbs. 5.68 - —
Syrup, 42°, bbls., c.l 100 lbs. 6.00 - —
l.c.l. 100 lbs. 6.10 - —
Cornsilk, bls lb. .15 - .16
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .28 - .30
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, c.l., mills ton. 70.00 - —
Coumarin, cns., 25 lb lb. 2.75 - —
smaller lots lb. 2.80 - 2.90
powd., cans lb. 3.00 - 3.05
Cramp bark, NF, bls lb. .30 Nom.
Cranesbill root, bls lb. .28 - .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .29½ - —
smaller lots lb. .30 - .31
imported, kgs lb. .24 - .26
Creosote, coaltar, crude, tanks, works gal. .16 - .18
refined, dms., c.l., works gal. .38½ - —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 80%, tanks, works, gal. .20 - —
NF, beechwood, bots, cbys lb. 1.15 - 1.20
hardwood, bots, cbys lb. .85 - —
Pinewood, dms gal. .31 - .33
Creosote carbonate, NF, bots., cbys. lb. 2.35 - 2.40
Cresol, tech., dry, above 207°C. non-non-ret. dms., c.l. frt. equald. lb. .1255 - —
l.c.l. same basis lb. .1285 - —
ret.-dms., c.l., same basis. lb. .1225 - —
l.c.l. same basis lb. .1255 - —
tanks, same basis lb. .1125 - —
USP, non-ret., dms., c.l., same basis lb. .1280 - —
l.c.l., same basis lb. .1310 - —
ret., dms., c.l., same basis lb. .1250 - —
l.c.l., same basis lb. .1280 - —
tanks, same basis lb. .1150 - —
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½ - —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs. 12.75 - —
bbls., l.c.l., works 100 lbs. 13.75 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .30 - —
extract liquid 1% rotenone, dms., works gal. 1.50 - —
Cubeb berries, XX NF bgs lb. .35 - .40
powd., cs lb. .45 - .50
Culvers root, bbls lb. .50 - .60
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin seed, Morocco, bgs lb. .20 - .20½
Persian, bgs. lb. .20 - .20½
Syrian, bgs. lb. .20 - .20½
Cutch, extract, 55% tannin, bgs., ex dock lb. .08½ - —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk unit-ton. 2.85 - —
pulv., 21% N., bgs., same basis unit-ton. 2.75 - —
Cyclohexane, tech., dms., c.l., works. lb. .09½ - .12½
l.c.l., works lb. .10 - .13
tanks, works lb. .08 - .11½
Cyclohexanol, tech., dms., c.l., works. lb. .21½ - —
l.c.l., works lb. .22 - —
tanks, works lb. .20 - —
Cyclohexanone, tech., dms., c.l., works lb. .26½ - .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., works lb .34 - —
Cyclopropane, USP, 2 lb. cyls, works, cyl. 40.00 - —
6 oz. cyls., works cyl. 10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

D

2, 4-D, fib., dms., c.l., works, frt., equald lb. .75 - —
l.c.l., same basis lb. .83 - .90
Damiana leaves, bls lb. .40 - .45
Dandelion root, bls lb. .35 - .40
DDD, tech., fine grd., fib., dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½ - —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½ - —
DDT, fiber dms., c.l., works lb. .32 - —
smaller lots, works lb. .33 - .34
Decanol, normal, tech., dms., c.l., dlvd lb. .34½ - —
l.c.l., dlvd. lb. .36½ - —
tanks, dlvd. lb. .32 - —
Deertongue leaves, bls lb. .30 - .35
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton. 44.15 -65.75
Rock, paper bgs., works ton. 34.25 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa., bbls lb. .20 - .22
over 2% ffa., bbls lb. .19 - .21
Derris root, 5% rotenone, powd lb. .33 Nom.
Dextrin, corn, British gum, paper bgs., c.l. 100 lbs. 7.12 - —
Chicago 100 lbs. 6.50 - —
l.c.l. 100 lbs. 7.27 - —
canary, paper bgs., c.l. 100 lbs. 6.86 - —
Chicago 100 lbs. 6.24 - —
l.c.l. 100 lbs. 7.01 - —
dark, paper bgs., c.l. 100 lbs. 7.06 - —
Chicago 100 lbs. 6.34 - —
l.c.l. 100 lbs. 7.11 - —
white, paper bgs., c.l. 100 lbs. 6.71 - —
Chicago 100 lbs. 6.09 - —
l.c.l. 100 lbs. 6.86 - —
Potato, bgs. lb. .11¼ - .11¾
Tapioca, pure, envelope, bgs lb. .16 - .16½
Potato, bgs. lb. .10½ - .10¾
Dextrose, USP, dms lb. .17¾ - —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.00 - 5.55
laboratory grade, bots. 100 grams. 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl)
Phthalate, dms., c.l., dlvd. E lb. .35½ - —
l.c.l., dlvd. E lb. .36½ - —
tanks, dlvd. E lb. .34 - —
Diamylphenols, mixed, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Dianisidin, dms lb. 1.65 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 -52.00
California ton. 38.00 -40.00
l.c.l., ex whse ton. 80.00 - —
purified, bgs., c.l., Atl. coast ton. 62.00 - —
California ton. 50.00 - —
l.c.l., ex whse ton. 90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .66½ - —
l.c.l., works lb. .67 - —
tanks, works lb. .65 - —
Dibutoxyethyl sebacate, dms., c.l., works lb. .55½ - —
l.c.l. works lb. .53 - —
tanks, works lb. .54 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .30½ - —
l.c.l., dlvd lb. .31½ - —
tanks, dlvd lb. .29 - —
Sebacate, dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½ - —
tanks, works lb. .49½ - —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld lb. .51½ - .52½
l.c.l., frt. alld lb. .52½ - .53½
tanks, frt. alld lb. .49 - .50
Dicapryl sebacate, dms., c.l., works. lb. .54½ - —
l.c.l., works lb. .55 - —
tanks, works lb. .53 - —
Dichloroanilin, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., works lb. .38 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .42½ - —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., E lb. .26½ - —
l.c.l., same basis lb. .27½ - —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l., frt. alld lb. .36½ - —
l.c.l., same basis lb. .37½ - —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .50½ - —
l.c.l., dlvd lb. .51½ - —
tanks, dlvd lb. .50 - —
Oxalate, dms., c.l., frt. alld lb. .34½ - .35½
l.c.l., same basis lb. .35½ - .36½
tanks, same basis lb. .34 - —
Phthalate, dms., c.l., dlvd lb. .26 - .27½
l.c.l., dlvd lb. .27 - .28
tanks, dlvd lb. .24½ - .26
Sulphate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Diethylamine, dms., c.l., works lb. .69 - —
l.c.l., works lb. .71 - —
tanks, works lb. .65 - —
Diethylaminoethanol, dms., i.c.a., works, frt. alld. E. of Miss lb. .75 - —
Diethylanilin, dms lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld. E lb. .17½ - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16 - —
Diethylether, dms., l.c.l., works lb. .40 - —
Monobutylether, dms., c.l., works. lb. .26 - —
l.c.l., works lb. .26½ - —
tanks, works lb. .24½ - —
Monobutylether acetate, dms., c.l., works lb. .27½ - —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½ - —
tanks, works lb. .16½ - —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½ - —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works lb. .22½ - —
tanks, works lb. .20½ - —
Diethylenetriamine, dms., c.l., works. lb. .51½ - —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Diethylstilbestrol, USP, bots kilo. 260.00 -300.00
Digitalin, cryst., bots gram. 15.00 -18.00
powd., bots oz. 25.00 -30.00
Ditigitalis leaves, dms lb. .70 - .85
Diglycol laurate, dms lb. .34 - .36
Oleate, light, dms lb. .26 - .28
Stearate, dms lb. .27 - .29
Dihexyl sebacate, dms., c.l., works, lb. .42½ - —
l.c.l., works lb. .43 - —
tanks, works lb. .41 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. .80 - —
wholesalers, vials gram. .64 - —
Dihydroxydichlorodiphenylmethane, dms. lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., works. lb. .14 - —
l.c.l., works lb. .14½ - —
tanks lb .12½ - —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½ - —
tanks, works lb. .05½ - —
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .41½ - —
l.c.l., same basis lb. .42½ - —
tanks, same basis lb. .40 - —
Dillseed, natural, bgs lb. .12½ - .13
dewhiskered, bgs. lb. .13 - .14
Dimethyl phthalate, dms., c.l., dlvd. lb. .26½ - —
l.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .25 - —
Sebacate, dms., c.l., works lb. .69½ - —
l.c.l., works lb. .70 - —
tanks, works lb. .68 - —
Sulphate, 55-gal. ret., dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret, dms., works lb. .16½ - —
Dimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .37 - .38
l.c.l., works, basis 100% lb. .38 - .38½
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l. lb. .23 - —
l.c.l. lb. .25 - —
tanks lb. .21 - —
Dinitroanilin, dms., frt. equald lb. .50 - —
Dinitrobenzene, crude, bbls lb. .16 - —
Dinitrochlorobenzene, 47%, m.p., c.l., dms lb. .13½ - .14
l.c.l. lb. .14 - —
tanks lb. .13¼ - —
Dinitrophenol, bbls. lb. .28 - —
Dinitrotoluene, oily, dms lb. .07 - .09
refd., dms. lb. .21 - —
Dinonylnapthalene, c.l., dms., works lb. .13 - —
l.c.l. dms., works lb. .14 - —
tanks, works lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .41½ - —
l.c.l., frt. alld lb. .42½ - —
tanks, frt. alld lb. .40 - —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½ - —
tanks, same basis lb. .23½ - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .55
N. Y. whse gal. .50 - —
steam-dist., dms., c.l., whse., NYC. gal. .50 - —
l.c.l., same basis gal. .53 - .62
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .48
Diphenylamine, bbls. lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb. .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.50 - 3.75
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16½ - —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton. 68.00 - —
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls lb. .20 - .22
imp., NF, cut, bls lb. .25 - .30
Dogwood, Jamaica, bark, bls lb. .10 - .12
Dragon's blood, drops, cs. lb. .45 - .47
mass, cs lb. 1.10 - 1.25
reeds, cs lb. 1.75 - 2.00
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Blue, FD&C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns. lb. 17.00 -17.60
Green, FD&C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns. lb. 22.20 -22.85
No. 3, cns. lb. 35.25 -35.90
Orange, FD&C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns. lb. 4.65 - 4.75
Red, FD&C, No. 1, cns. lb. 7.55 - 7.85
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb. 22.20 -22.85
No. 4, cns. lb. 7.20 - 7.50
No. 32, cns. lb. 5.30 - 5.40
Yellow, FD&C, No. 1, cns. lb. 10.50 -11.05
No. 3, cns. lb. 3.30 - 3.40
No. 4, cns. lb. 3.30 - 3.40
No. 5, cns. lb. 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns. lb. 10.95 - —
Blue, D&C, No. 4, cns. lb. 13.55 - —
Brown, D&C, No. 1, cns. lb. 16.10 - —
Green, D&C, No. 5, cns. lb. 16.10 - —
No. 6, cns. lb. 16.10 - —
No. 7, cns. lb. 14.50 - —
Orange, D&C, No. 3, cns. lb. 10.95 - —
No. 4, cns. lb. 20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb. 20.70 - —
Red, D&C, No. 8, cns. lb. 3.75 - —
No. 9, cns. lb. 3.75 - —
No. 10, cns. lb. 3.00 - —
No. 11, cns. lb. 2.25 - —
No. 12, cns. lb. 3.00 - —
No. 17, cns. lb. 10.95 - —
No. 18, cns. lb. 24.00 - —
No. 21, cns. lb. 4.70 - —
No. 22, cns. lb. 10.95 - —
No. 28, cns. lb. 24.65 - —
No. 33, cns. lb. 17.45 - —
Violet, D&C, No. 1, cns. lb. 16.10 - —
No. 2, cns. lb. 16.10 - —
Yellow, D&C, No. 7, cns. lb. 10.95 - —
No. 8, cns. lb. 10.95 - —
No. 10, cns. lb. 13.50 - —
No. 11, cns. lb. 13.50 - —
No. 22, cns. lb. 9.15 - —
No. 33, cns. lb. 14.65 - —
No. 37, cns. lb. 13.55 - —
Dyes, coaltar, certified colors, for drugs and cosmetics, external use, 1-lb. lots:—
Green, Ext. D&C, No. 1, cns. lb. 16.10 - —
Red, Ext. D&C, No. 1, cns. lb. 13.50 - —
Yellow, Ext. D&C, No. 1, cns. lb. 10.95 - —
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. lb. .59 - —
27 Orange G. lb. .71 - —
31 Amido naphthol red G. lb. .59 - —
36 Alizarine yellow 2G. lb. .82 - —
40 Alizarine yellow R. lb. .97 - —
57 Amido naphthol red 6B. lb. .97 - —
79 Ponceau R. lb. .68 - —
151 Orange II. lb. .44 - —
165 Red lake C. lb. 1.05 - —
176 Red lake A. lb. .80 - —
179 Azo rubine lb. .95 - —
180 Diamond blue 3B. lb. .84 - —
185 Cochineal red A. lb. .85 - —
202 Chrome blue black R. lb. .62 - —
203 Chrome black T. lb. .72 - —
208 Sulphon acid blue R. lb. .83 - —
216 Acid alizarin red B. lb. .77 - —
234 Resorcin brown. lb. .82 - —
246 Naphthol blue black lb. .78 - —
278 Benzo fast red SBL. lb. 2.96 - —
289 Sulphon cyanine 5R extra lb. 1.05 - —
299 Diamond black F. lb. .88 - —
304 Nerol 2B lb. 1.83 - —
326 Benzo fast orange S. lb. 1.57 - —
332 Bismarck brown R. lb. .78 - —
365 Chrysophenine lb. 2.14 - —
382 Diamine scarlet B. lb. 1.56 - —
401 Diamine black BH. lb. .58 - —
406 Benzo blue 2B conc. lb. .98 - —
419 Diamine fast red F. lb. 1.05 - —
420 Diamine brown M. lb. .82 - —
448 Benzo purpurine 4B. lb. 1.08 - —
518 Diamine sky blue FF. lb. 1.48 - —
561 Trisulphon brown B. lb. 1.78 - —
581 Direct deep black EW extra. lb. .81 - —
593 Diamine green B. lb. .60 - —

this CRIMP in your business— will pay off!



our new Strong Seal Cobb Crimp machines give you packaged tablets at less cost!

1. Heavy protective containers eliminated! **2.** Each tablet *seal-crimped* in individual air-tight, moisture-resistant compartment!

3. Eliminates shipping bulk tablets to packaging plant! **4.** Spoilage in packaging reduced—yield increased!

5. Laboratory control from raw materials to delivered package.

6. One operation . . . tablets manufactured and wrapped in cellophane, silver foil, gold foil, etc.—in one plant.

During the past twelve months, Strong Cobb produced over 1,413,000,000 plain compressed and coated tablets.

Now we deliver your tablets—individually *seal-crimped*—and wrapped in your regular trade packages!

With Strong Cobb as their manufacturers, hundreds of drug companies forget manufacturing troubles and concentrate on the job of selling.

Strong Cobb & Co. Inc.
2654 Lisbon Road, Cleveland 4, Ohio

Originators and Developers of the AMPIN for Automatic and Subcutaneous and Intramuscular Injection.

STRONG COBB & CO., INC., Dept. OPD
2654 Lisbon Road, Cleveland 4, Ohio

Gentlemen: Please send me samples of your seal-crimped tablets.

NAME_____

COMPANY_____

STREET_____

CITY_____ ZONE_____ STATE_____

Dyes, Coaltar, General Use—Fenugreek Seed

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

598	Congo brown G	lb.	1.20	—
620	Sun yellow	lb.	.84	—
639	Xylene light yellow	lb.	1.77	—
640	Tartrazine	lb.	1.34	—
655	Auramine	lb.	1.69	—
657	Malachite green	lb.	1.93	—
662	Brilliant green	lb.	2.55	—
667	Brilliant milling green B	lb.	3.27	—
671	Glaucine	lb.	1.54	—
680	Methyl violet B	lb.	.95	—
681	Crystal violet	lb.	1.91	—
698	Formyl violet S4B	lb	1.51	—
720	Chrome azurol B	lb	3.60	—
729	Victoria blue B	lb	2.68	—
737	Wool green S	lb	2.14	—
749	Rhodamine B	lb	3.85	—
814	Chloramine yellow	lb	2.76	—
841	Safranine	lb	2.58	—
865	Nigrosine WSJ 78	lb	.56	—
922	Methylene blue GXX	lb	1.28	—
969	Hydron blue R	lb	.72	—
978	Sulphur black T extra	lb	.28½-	—
1027	Alizarin VI	lb	.64	—
1034	Alizarin red S	lb	2.30	—
1054	Alizarin saphiro B	lb	2.59	—
1078	Alizarin cyanine green	lb	2.61	—
1035	Alizarin blue black B	lb	2.13	—
1096	Indanthrene golden orange G, single paste	lb	1.96	—
	double paste	lb	3.92	—
1099	Indanthrene dark blue BO single paste	lb	1.72	—
1101	Caledon jade green	lb	2.32	—
1106	Indanthrene blue RS, single double paste	lb	2.52	—
	double paste	lb	2.13	—
1113	Indanthrene blue GCD, double paste	lb	1.72	—
1150	Indanthrene olive R, single paste	lb	1.08	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

1151	Indanthrene brown R, single paste	lb	1.65	—
	double paste	lb	3.29	—
1212	Indanthrene red violet RH, single paste	lb	1.54	—
1217	Helindon orange R, single paste	lb	1.57	—
p-4	Acid anthracine brown P G	lb	2.48	—
p-14	Anthracene chromate brown EB	lb	1.25	—
p-24	Benzo fast black L	lb	1.94	—
p-80	Diazo brilliant scarlet 8OA	lb	2.55	—
p-202	Zambesi black V	lb	1.07	—
p-244	Celliton scarlet B	lb	1.37	—
p-313	Naphthol AS-SW	lb	2.74	—

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

	Black, blue, No. 550	lb.	.72	—
	Jet, No. 551	lb.	.79	—
	Brown, R, conc	lb.	1.44	—
	Orange R, brilliant	lb.	.80	—
	Red 4 B, conc	lb.	1.22	—
	Yellow, C	lb.	1.05	—
	FN, conc	lb.	1.08	—

Dyes, coaltar, for stains, spirit-soluble, 100-lb dms., sellers' works.

	Auramine, O	lb.	1.66	—
	Black, basic, blue	lb.	1.08	—
	Jet	lb.	1.08	—
	Blue, methylene, 2 B, conc	lb.	1.44	—
	Brown, Bismarck, R, conc	lb.	.78	—
	Chrysodine, R, extra	lb.	.54	—
	Y, extra	lb.	.58	—
	Fuchsine, conc	lb.	2.84	—
	Green, malachite, conc	lb.	1.80	—
	Rhodamine, B	lb.	3.97	—
	Safranine, Y, conc	lb.	2.66	—
	Violet, methyl, B	lb.	1.08	—

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.

	Black, acid blue, B, extra	lb.	.76	—
	Orange, acid, Y, conc	lb.	.43	—
	Rhodamine, azo- R, extra conc.			
	Rhodamine, R, extra, conc	lb.	3.97	—
	Scarlet, croceine, MOO	lb.	1.33	—
	Yellow, azo-, conc	lb.	.32	—
	Fast light, 3 G, extra	lb.	1.99	—
	Methanil, conc	lb.	.83	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb.	.45	.55
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.28	1.30
tanners, bbls	lb.	.06½-	.07
Elder flowers, bright, bls	lb.	.40	.50
Elecampane root, bls	lb.	.22	.25
Elm bark, grinding, bls	lb.	.30	.35
powd., bbls., bxs	lb.	.40	.45
select, bndls	lb.	.55	.60
Emetine hydrochloride, USP, bots	oz.	38.75	42.00
Ephedra herb, bls	lb.	.18	.37
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs	oz.	.98	—
hydrous, bots., 100 ozs	oz.	.92	—
Hydrochloride, tin, 100 ozs	oz.	.75	—
Sulphate, cryst., tins, 100 ozs.	oz.	.72	—
powd., tins, 100 ozs	oz.	.73	—
Epichlorohydrin, dms., c.l., works	lb.	.36½-	—
l.c.l., works	lb.	.37	—
tanks, works	lb.	.35	—
Epinephrine, synth., USP, bots	gram	.60	.70
Epsom salt, tech., bgs., c.l., works	100 lbs.	2.15	—
l.c.l., works	100 lbs.	2.90	3.15
USP, cryst., bgs., c.l., works	100 lbs.	2.35	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	3.10	—
smaller lots	100 lbs.	3.35	—
Ergot, NF, dms., tin-lined	lb.	2.25	Nom.
Eserine, buts	oz.	55.00	56.00
Salicylate, USP, bots	oz.	38.75	39.75
Sulphate, bots	oz.	60.00	61.00
Ether, acetate (see Ethyl acetate).			
Butyl, dms., c.l., dlvd	lb.	.30½-	—
l.c.l., dlvd	lb.	.31	—
tanks, dlvd	lb.	.29	—
Butyric (see Ethyl butyrate).			
Dichloroethyl, purif., dms., works	lb.	.16½-	—
l.c.l., same basis	lb.	.17	—
tanks, same basis	lb.	.15	—
Divinyl, USP, anesthesia, bots., 50 cc, hospitals	bot.	1.00	—
75 cc. hospitals	bot.	1.56	—
Ethyl, absolute, ACS, dms	lb.	.30	—
anesthesia, USP, hospital, cns.	lb.	75	.90
industrial, USP, dms., c.l., dlvd.	lb.	.10½-	—
l.c.l., same basis	lb.	.12½-	—
tanks, same basis	lb.	.08½-	—
synthetic, dms., incl., dlvd. East,	lb.	.10½-	—
l.c.l., same basis	lb.	.12½-	—
tanks, same basis	lb.	.08½-	—
Isopropyl, dms., c.l., dlvd	lb.	.06	—
l.c.l., dlvd	lb.	.06½-	—
tanks, dlvd	lb.	.04½-	—
Nitrous, conc., bots., 100 lbs	lb.	1.03	1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.10½-	—
l.c.l., frt. alld	lb.	.11½-	—
tanks, frt. alld	lb.	.09	—
95-96%, dms., c.l., frt. alld.	lb.	.10¾-	—
l.c.l., frt. alld	lb.	.11¾-	—
tanks, frt. alld	lb.	.09¼-	—
99%, dms., c.l., frt. alld.	lb.	.11	—
l.c.l., frt. alld	lb.	.12	—
tanks, frt. alld	lb.	.09¼-	—
synthetic, 85-90%, dms., c.l., frt. alld	lb.	.10½-	—
l.c.l., frt. alld	lb.	.11½-	—
tanks, frt. alld	lb.	.09	—
95-96%, dms., c.l., frt. alld.	lb.	.10¾-	—
l.c.l., frt. alld	lb.	.11¾-	—
tanks, frt. alld	lb.	.09¼-	—
99%, dms., c.l., frt. alld	lb.	.11	—
l.c.l., frt. alld	lb.	.12	—
tanks, frt. alld	lb.	.09½-	—
Acetoacetate, dms., c.l., dlvd	lb.	.47½-	—
l.c.l., dlvd.	lb.	.48½-	—
tanks, dlvd	lb.	.46	—
Benzoate, dms	lb.	.68	—
Betaethoxypropionate dms. works	lb.	.70	—
Bromide, tech., 98%, dms	lb.	.39	.41
Butyrate, bots	gal.	4.75	—
cns., works	lb.	.65	.70
dms., works	lb.	.60	—
Carbamate (see Urethane).			
Chloride, tech., tanks	lb.	.13½-	—
USP, bbls., cyl	lb.	.20	.22
Cinnamate, cns	lb.	2.30	3.60
Formate, dms	lb.	.38	—
Iodide, bots	lb.	4.08	4.27
Lactate, dms., works	lb.	.41	—
Methycrylate, M-2, dms., works	lb.	.60	—
cns., works	lb.	.63	.67
P-2, cns., works	lb.	.65	—
Myristate, dms., works	lb.	No prices.	
Nitrite (see Ether, nitrous).			
Oenanthate, dms	lb.	1.00	2.00
Oleate, dms., l.c.l., works	lb.	.53	—
Oxalate (see Diethyl oxalate).			
Silicate, dist. (see Tetraethyl-orthosilicate)			
40% available SiO_2, dms. works	lb	.55	—
Ethylalphanaphthylamine, dms	lb.	.80	—
Ethylanilin, dms	lb.	.60	—
Ethylbenzene, dms., c.l	lb.	.14	—
l.c.l.	lb.	.15	—
tanks	lb.	.13	—
Ethylcellulose, fib dms., 5,000 lbs., works	lb.	.52	—
smaller lots, works	lb.	.54	.62
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies	lb.	.09½-	—
Ethylene dichloride, dms., c.l., works, frt. alld., W. of Rockies	lb.	.10½-	—
l.c.l. works, frt. alld., E. of Rockies	lb.	.10½-	—
W of Rockies	lb.	.11½-	—
tanks, frt. alld. E. Rockies	lb.	.08	—
W. of Rockies	lb.	.09	—
Oxide, cyls., c.l., works	lb.	23¾-	25
l.c.l., works	lb.	.24¾-	26
tanks, works and frt. equald. or alld	lb.	.15¾-	16¾
Trichloride (see Trichloroethane).			
Ethylenediamine, tanks, works	lb.	.50	—
Ethyleneglycol, dms., c.l., frt. alld. E	lb.	.16	—
l.c.l., same basis	lb.	.17	—
tanks, same basis	lb.	.14½-	—
Diethylether, dms., l.c.l., works	lb.	.50	—
Monobutylether, dms., c.l., works.	lb.	.21½-	—
l.c.l., works	lb.	.22	—
tanks, works	lb.	.20	—
Monoethylether, dms., c.l., works.	lb.	.18	—
l.c.l., works	lb.	.18½-	—
tanks, works	lb.	.16½-	—
Monoethylether acetate, dms., c.l., works	lb.	.16½-	—
l.c.l., works	lb.	.17	—
tanks, works	lb.	.15	—
Monomethylether, d m s., c.l., works	lb.	.19½-	—
l.c.l., works	lb.	.20	—
tanks, works	lb.	.18	—
Monomethylether acetate, dms., c.l., works	lb.	.24½-	—
l.c.l., works	lb.	.25	—
tanks, works	lb.	.23	—
Monostearate, dms	lb.	.38	.40
Ethylethanolamines, mixed, dms., c.l., works	lb.	.32	—
l.c.l., works	lb.	.33	—
Ethylmorphine hydrochloride, USP, bots	oz.	11.85	—
Ethylorthotoluidine, bbls	lb.	.80	—
Ethylvanillin, cns., 5 lbs. or more	lb.	6.75	—
smaller lots	lb.	6.80	6.90
Eucalyptol, USP, cns., dms	lb.	1.75	2.05
Eucalyptus leaves, bls	lb.	.10	.12
Eugenol, prime, USP	lb.	2.00	2.50
Euphorbia, pil., herb, bls	lb.	.18	.20

F

Feldspar, enamel, 100 mesh, bgs., works	ton	20.00	22.00
Glass, 20 mesh, bulk, tons, works	ton	11.75	12.50
bulk, c.l., works	ton	18.00	20.00
Pottery, bgs., 2 ton lots, works	ton	20.00	22.00
bulk, c.l., works	ton	17.00	19.00
Fennel seed, Argentine, bgs	lb	09¾-	10¼
French, bgs	lb.	12	12½
Indian, bgs	lb.	12	12¼
Fenugreek, domestic, bgs.	lb	No stocks.	
Indian, bgs.	lb.	.11½-	.12
futures, bgs.	lb.	.10½-	.11
Moroccan, bgs.	lb.	.09½-	.10

MONTROSE MONTROSE MONTROSE

TROSE MONTROSE MONTROSE MONT

MONTROSE MONTROSE MONTROSE

DDT Government Specifications

2,4-D Acid, Salt and Isopropyl Ester

TRICRESYL PHOSPHATE

ERGOSTEROL (Non Irradiated)

MONTROSE CHEMICAL COMPANY

LISTER AVENUE, NEWARK, NEW JERSEY

SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y. TRIBUNE TOWER, CHICAGO, ILLINOIS

Ferric-ammonium citrate (see iron-ammonium citrate).
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see iron glycerophosphate).
Ferric hypophosphite (see iron hypophosphite).
Ferric sulphate (see iron sulphate, ferric).
Film scrap, colored, cs., works..lb. .11 - —
water-white, cs., works.....lb. .13 - —
Fir balsam, Canada, cns.....gal.32.50 -33.00
Oregon, bbls.....gal. 2.35 - 2.45
Fishberries, bgs.....lb. .20 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area..ton.175.00 - —
65% protein, bgs., Balto. area. ton.180.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area..ton.165.00 - —
Fleaseed (see Psyllium seed).
Fringetree bark, bls.....lb. .42 - .45
Fluorspar, acid grade, bgs., c.l., mines..ton.47.50 - —
l.c.l., mines.....ton.49.50 - —
bulk, contract, c.l., mines ton.42.00 - —
noncontract, c.l., mines ton.45.00 - —
l.c.l., mines.....ton.47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines..net ton.39.00 -41.00
powd., 90-92%.....ton.41.00 - —
foundry grade, lump, 55-60%, ton.34.00 - —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton.35.00 -37.00
65%, bulk, c.l., mines.....ton.34.00 -36.00
60%, bulk, c.l., mines.....ton.33.00 -35.00
less than 60%, bulk, c.l., mines. ton.32.00 -34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works lb. .0570- —
l.c.l., E. works.....lb. .0620- —
tanks, E. works.....lb. .0370- —
methanol-free (uninhibited), tanks, works..lb. .0350- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton.30.00 - —
Tex., mines.....ton.27.00 - —
spent, bulk, Bayonne.....ton. 2.00 - 4.00
imp., bgs., c.l.....ton.30.00 -40.00
Furfural, tech., dms., c.l., works lb. .12 - —
l.c.l., works.....lb. .14 - —
tanks, works.....lb. .09½- —
Fusel oil, refined, dms., c.l.....lb. .23½- —
l.c.l.....lb. .24½- —
tanks.....lb. .22 - —
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .42½- —
No. 1A, bbls., l.c.l.....lb. .41½- —
No. 2, bbls., l.c.l.....lb. .40½- —
No. 3, bbls., l.c.l.....lb. .38½- —
liquid, No. 0, bbls., l.c.l.....lb. .22 - —
No. 1, bbls., l.c.l.....lb. .20½- —
No. 2, bbls., l.c.l.....lb. .19½- —
No. 3, bbls., l.c.l.....lb. .17 - —
solid, No. 1, bxs., l.c.l.....lb. .28 - —

G

G salt, bbls.....lb. .59 - .60
Galangal root, bls.....lb. .15 - .17
Gambier, plantation, bgs., ex dock.lb. No stocks.
Extract, bbls..... No stocks.
Gammapicoline, 95%, dms., c.l., works..lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 74-76 octane, tanks, gal. .10375- —
Bayonne, 76 octane, tanks.gal. .116 - —
Gulf coast, 74-76 octane, tanks, gal. .10 - .11
Group 3, 74-76 octane, tanks, gal. .10 -.10375
Pennsylvania, western, U. S. motor, 74-76 octane, leaded tanks..gal. .12 - —
natural, 26-70 octane, group 3, tanks..gal. .055 - —
Gelatin, silver label, cs., works....lb. 1.20 - —
Gelsemium root, bls.....lb. .25 - .30
Gentian root, bls.....lb. .13 - .16
grd., bbls., bxs.....lb. .17 - .19
powd., bbls., bxs.....lb. .18 - .20
Gentistic acid ethanilamide, fib. dms., works..lb.10.00 - —
Geraniol, extra, cns., dms.....lb. 2.50 - 2.75
prime.....lb. 2.20 - 2.40
Geranyl acetate, cns.....lb. 2.65 - 3.90
Ginger, oleoresin, bots.....lb. 4.50 - 4.75
Root, African, bls.....lb. .48 - .49
Cochin, bleached, bgs.....lb. No stocks.
unbleached, bgs.....lb. .20 Nom.
Jamaica, No. 1, bgs.....lb. .48 - .50
No. 2, bgs.....lb. .45 - .46
No. 3, bgs.....lb. .44 - .45
Rhattoon, bgs.....lb. .39½ Nom.
Ginseng root, cs.....lb.12.00 -16.00
Glauber's salt, anhyd. (see Sodium sulphate).
cryst., bgs., c.l., works 100 lbs. 2.00 —
l.c.l. bgs., works.....100 lbs. 2.25 - 2.50
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest..lb. .15½- —
65 jellygrams, bgs., c.l., same basis..lb. .17 - —
80 jellygrams, bgs., c.l., same basis..lb. .18 - —
110 jellygrams, bgs., c.l., same basis..lb. .19 - —
130 jellygrams, bgs., c.l., same basis..lb. .21 - —
Over 150 jellygrams, bgs., c.l., same basis..lb. .24 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l.
ground, 40-45 jellygrams, bgs., c.l. (50,000 lbs.), dlvd..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
pulverized, 50-60 jellygrams, bgs., c.l., (50,000 lbs.) same basis..lb. .18½- —
l.c.l., same basis..lb. .19½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd..lb. .22 - .25
122-149, bgs., c.l., dlvd.....lb. .23 - .26
150-177, bgs., c.l., dlvd.....lb. .24 - .27
178-206, bgs., c.l., dlvd.....lb. .25 - .29
207-236, bgs., c.l., dlvd.....lb. .26 - .30
237-266, bgs., c.l., dlvd.....lb. .27 - .31
267-296, bgs., c.l., dlvd.....lb. .28 - .32
299-330, bgs., c.l., dlvd.....lb. .29 - .33
331-362, bgs., c.l., dlvd.....lb. .30 - .33
363-394, bgs., c.l., dlvd.....lb. .31 - .34
395-427, bgs., c.l., dlvd.....lb. .32 - .35
428-460, bgs., c.l., dlvd.....lb. .33 - .36½
461-494, bgs., c.l., dlvd.....lb. .34 - .38
495-529, bgs., c.l., dlvd.....lb. .35 - .39

Hide glue, l.c.l., prices 1c. higher than c.l.s bbls., ½c. more than bgs.

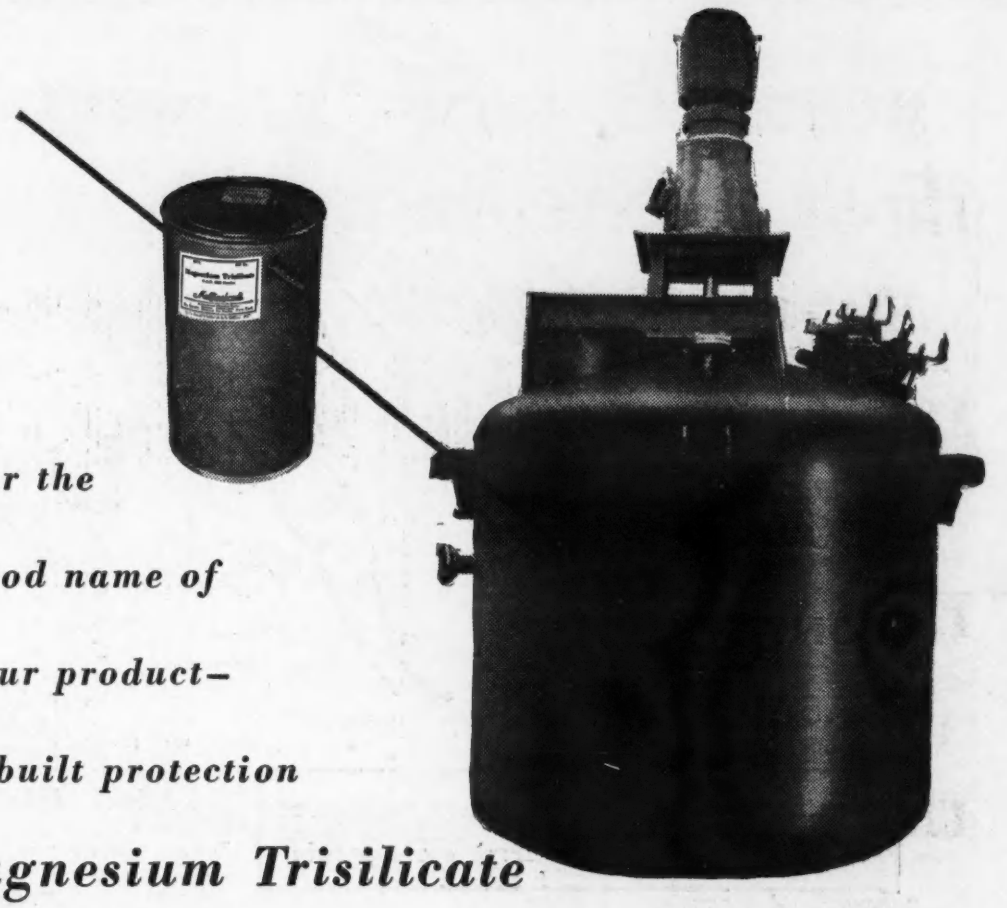
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd..lb. .16¾- .18¾
soaplye, 80%, tanks, dlvd..lb. .15¼- .16½
dynamite, dms., c.l., dlvd.....lb. .24 - —
l.c.l., dlvd.....lb. .24½- —
tanks, dlvd.....lb. .23½- —
high gravity, dms., c.l., dlvd....lb. .24¼- —
l.c.l., dlvd.....lb. .24¾- —
tanks, dlvd.....lb. .23¾- —
Glycerin, refined, BP, 93%, dms., c.l., dlvd..lb. .25½- —
l.c.l., dlvd.....lb. .26 - —
tanks, dlvd.....lb. .25 - —
USP, c.p., 95%, dms., c.l., dlvd. lb. .24¾- —
l.c.l., dlvd.....lb. .25¼- —
tanks, dlvd.....lb. .24¼- —
yellow, distilled, dms., c.l., dlvd lb. .24½- —
lb. .24¼- —
l.c.l., dlvd.....lb. .24⅝- —
tanks, dlvd.....lb. .23⅝- —
Glycine USP (see Acid, aminoacetic).
Glycol boriborate, dms.....lb. .28 - .30
Glyoxal, 30%, dms., c.l., works lb. .17½- —
l.c.l., works.....lb. .18 - —
tanks, works.....lb. .17 - —
Gold chloride, acid-brown, bots...oz.22.00 -22.25
acid-yellow, bots.....oz.20.00 -20.25
Gold of pleasure seed, bgs.....lb. .40 - .41
Goldenseal root, bls.....lb. 3.65 - 4.00
powd. bxs.....lb. 4.25 - 4.50
Gold-sodium chloride, photo, bots oz.13.50 -14.00
USP IX, bots.....oz.14.50 -15.00
Grains of paradise, bgs.....lb. .28½- .29
Graphite, imported, amorph., powd., bgs., dlvd lb. .04 - .08
crystalline, 88-90%, powd., bgs., ex whse lb. .14 - .16
90-92%, powd., bgs., ex whse. lb. .16 - .19
97%, powd., bgs., ex whse lb. .22 - .25
flake, No. 1, 90-95%, bgs., ctns., ex whse lb. .21 - .22
No 2 whse.....lb. .23 - —
Grease, house, loose, dlvd.....lb. .06 - —
White, choice, loose.....lb. .07½- —
Wool (see Degras and Lanolin).
Yellow, loose.....lb. .06¼- —

Ferric-Ammonium Citrate—Green Chromium Oxide

Green, brilliant, thioflavin, toner, molybdic, kgs., works..lb. 4.25 - 4.50
Tungstic, kgs.,works.....lb. 4.25 - 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd., N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .36 - —
6-10%, bbls., same basis..lb. .37 - —
11-15%, bbls., same basis..lb. .38 - —
16-20%, bbls., same basis. lb. .38½- —
21-25%, bbls., same basis..lb. .39¼- —
26-30%, bbls., same basis..lb. .39¾- —
31-35%, bbls., same basis..lb. .40¾- —
36-40%, bbls., same basis..lb. .42½- —
41-45%, bbls., same basis..lb. .44 - —
46-50%, bbls., same basis..lb. .45¾- —
50% and over, bbls., same basis..lb. .46¾- —
reduced color, 5%, bbls., same basis lb. .12¾- —
6-10%, bbls., same basis..lb. .13½- —
11-13%, bbls., same basis..lb. .14 - —
14-16%, bbls., same basis..lb. .14¾- —
17-19%, bbls., same basis..lb. .15 - —
20-21%, bbls., same basis..lb. .15¼- —
Green, chrome, reduced color, 32-33%, bbls., same basis. lb. .18¾- —
24-25%, bbls., same basis lb. .15½- —
26-27%, bbls., same basis..lb. .16 - —
28-29%, bbls., same basis..lb. .16½- —
30-31%, bbls., same basis..lb. .17½- —
32-33%, bbls., same basis..lb. .18¾- —
34-35%, bbls., same basis..lb. .19¾- —
36-40%, bbls., same basis..lb. .22½- —
41-45%, bbls., same basis lb. .24¾- —
46-50%, bbls., same basis..lb. .26¼- —
51-55%, bbls., same basis..lb. .26 - —
56-60%, bbls., same basis..lb. .26½- —
61-65%, bbls., same basis..lb. .27½- —
66-70%, bbls., same basis..lb. .28¾- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works..lb. .75 - 1.00
pure, bgs., frt. alld...lb. .33 - .40



For the

good name of

your product—

Custom-built protection

Magnesium Trisilicate

Protect your product. Safeguard its quality by using the purest basic fine chemicals.

You are assured chemicals of unsurpassed purity when you use Mallinckrodt chemicals. Each new lot of every Mallinckrodt chemical meets the same high standards as former lots. These fine chemicals are available in different grades to meet every manufacturing need.

MAGNESIUM TRISILICATE is supplied in three grades:

Magnesium Trisilicate U.S.P. Powder
Magnesium Trisilicate U.S.P. Bulky
Magnesium Trisilicate U.S.P. Super Bulky

THREE FINE, WHITE, ODORLESS, TASTELESS, GRITLESS POWDERS

Equal in purity. Different in density or bulk.

	Powder Grade	Bulky Grade	Super Bulky
Bulk	*about 45 fl. oz. per lb.*	*about 75 fl. oz. per lb.*	*about 130 fl. oz. per lb.*
Particle Size	*37% less than 3 microns* *86% " " 20 "* *92% " " 44 "* *100% " " 88 "*	*50% less than 3 microns* *89% " " 20 "* *99% " " 44 "* *100% " " 88 "*	*100% through a 325 mesh sieve, and thus less than about 44 microns.*
Adsorptive Power	*100 mg. of Methylene Blue per gram*	*app. 200 mg. of Methylene Blue per gram*	*app. 150 mg. of Methylene Blue per gram*

Whether your finished product be tablet, suspension or powder—there is a Mallinckrodt grade to meet your chemical and physical requirements.

If you use Magnesium Trisilicate in alkaline mixtures, Mallinckrodt supplies top-quality companion products, such as Magnesium Carbonate, Calcium Carbonate and Bismuth Subcarbonate. Write to your nearest Mallinckrodt office for a complete catalogue.

82 Years of Service to Chemical Users

Mallinckrodt Chemical Works

Mallinckrodt St., St. Louis 7, Mo. • 72 Gold St., New York 8, N. Y.
CHICAGO • CINCINNATI • CLEVELAND • LOS ANGELES
MONTREAL • PHILADELPHIA • SAN FRANCISCO

UNIFORM DEPENDABLE PURITY

A partial listing of Mallinckrodt pharmaceutical chemicals • *Acid Acetylsalicylic* • *Acid Mandelic* *Bismuth Subcarbonate* • *Bismuth Subnitrate* • *Calcium Gluconate* • *Calcium Mandelate* • *Calomel Precipitated* *Magnesium Trisilicate* • *Phenobarbital* • *Phenobarbital Sodium* • *Potassium Bicarbonate* • *Potassium Bromide* *Potassium Iodide* • *Sodium Bromide* • *Sodium Iodide* • *Sodium Salicylate* • *Sulfanilamide* • *Sulfathiazole*

Green, Dyes—Ionone

Green, dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works lb. 4.40 - 5.00
Tungstated, brilliant, kgs lb. 3.00 - 4.00
Emerald, kgs lb. 2.60 - —
Verdigris (see V).
Grindella robusta herb, bls lb. .24 - .30
Guaiac resin, NF, cs lb. .60 - .65
ordinary, cs. lb. .49 - .51
Wood, bls lb. .35 - .36
Guaiacol, cryst., tins lb. No prices.
Liquid, NF, bots., cbys lb. 1.90 - 1.95
Carbonate, dms lb. 2.95 - 3.00
Guarana, powd., cs. lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs lb. .90 - .95
Arabic, amber, sorts, bgs lb. .12 - .14
powdered, USP, bbls lb. .20½ - .21
Asafetida (see A).
Asphalthum (see A).
Benzoin, Sumatra, cs lb. .45 - .50
Camphor (see C)
Copal, Congo, No. 1, bgs lb. .25 - .26
No. 2, bgs lb. .18 - .20
No. 3, bgs lb. .13½ - .15
Manila, loba, B, bgs lb. .25 - .27
C, bgs lb. .23 - .24½
CBB, bgs lb. .19 - .20
CNE, bgs lb. .13½ - .15
DBB, bgs lb. .17½ - .19½
DK, bgs lb. .13 - .14
dust, bgs lb. .07 - .08
soft, MA, bgs lb. .11 - .13½
WS, bgs lb. .21 - .22
Gum, copal, Philippine, pale, chips, bgs lb. .18½ - .20½
nubs, bgs. lb. .22 - .24
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .17½ - .19½
Pontianak, chips, bgs. lb. .23 - .24
nubs, bgs lb. .32 - .35
Dammar, Batavia, A/D, bgs lb. .28 - .30
A/E, bgs lb. .22 - .23
dust, bgs lb. .08½ - .09½
E, bgs lb. .13½ - .14½
East India, batu, bold, bgs lb. .10 - .11
nubs & chips, bgs. lb. .07½ - .09
black, bold, bgs lb. .12½ - .13½
unscraped, bgs. lb. .09½ - .10½
nubs & chips, bgs. lb. .09½ - .10½
pale, chips, bgs. lb. .13 - .15
nubs, bgs lb. .25 - .27
Singapore, No. 1, bgs lb. .33 - .35
No. 2, bgs. lb. .22 - .23
No. 3, bgs. lb. .10 - .12
dust, bgs. lb. .09 - .10
seeds, bgs. lb. .13 - .14
Elemi, cns lb. .21 - .23
Ester, gum-rosin type, dms., c.l., divd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .13 - .13½
wood-rosin type, dms., c.l., divd. Ill., Ind., etc. lb. .13 - .13½
Euphorbium, cs lb. .35 - .40
Galbanum, cs. lb. .75 - .80
Gamboge, pipe, cs lb. 1.15 - 1.25
powd., bbls lb. 1.35 - 1.40
Ghatti, No. 2, bgs lb. .33 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1 lb. .51 - .52
No. 2 lb. .47 - .48
No. 3 lb. .39 - .40
Gum, kauri, bgs lb. .31½ - .32¾
Locust bean, powd., bgs lb. .31½ - .32
Mastic, cs. lb. 1.80 - 1.90
Myrrh, cs lb. .35 - .38
Olibanum, siftings, cs lb. .12 - .13
tears, cs. lb. .16 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. lb. .90 - .95
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs lb. 3.00 - 3.25
No. 2, cs lb. 2.40 - 2.65
No. 3, cs lb. 2.00 - 2.25
powdered, USP, bbls lb. 1.35 - 1.45
Yacca, bgs lb. .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton. 22.65 - —
Harlem river, N. Y., frt. equald ton. 28.25 - —
Medicine Lodge, Kan., frt. equald ton. 17.00 - —
New Brighton, N. Y., frt. equald ton. 30.65 - —
Southard, Okla., frt. equald ton. 17.00 - —
Sweetwater, Tex., frt. equald ton. 21.45 - —
Plaster of paris, paper bgs., c.l., Acme., Texas, frt. equald. ton. 12.50 - —
Blue Rapids, Kans., frt. equald ton. 10.50 - —
Harlem river, N. Y., frt. equald ton. 12.00 - —
Medicine Lodge, Kan., frt. equald ton. 12.50 - —
New Brighton, N. Y., frt. equald ton. 18.00 - —
Gypsum, plaster of Paris, Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt. equald ton. 12.50 - —
Stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y., works ton. 22.50 - —
New Brighton, N. Y., works ton. 21.00 - —

H

Hawthorn berries, bgs lb. .50 - .57
Heliotropin, cryst., cns lb. 2.85 - 3.05
Hellebore root, dom., green, bls lb. .63 - .65
imp., black, whole, bls. lb. .20 - .25
ground, bxs. lb. .25 - .30
powder, bxs. lb. .27 - .32
white, whole, bls. lb. .30 - .40
powder, bxs. lb. .35 - .45
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½ - —
No. 1, bbls., l.c.l. lb. .44½ - —
No. 1A, bbls., l.c.l. lb. .41½ - —
No. 2, bbls., l.c.l. lb. .40½ - —
No. 3, bbls., l.c.l. lb. .38½ - —
No. 4, bbls., l.c.l. lb. .36½ - —
No. 5, bbls., l.c.l. lb. .34½ - —
paste, No. 1, bbls., l.c.l. lb. .19 - —
No. 2, bbls., l.c.l. lb. .18 - —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, (red), bbls., l.c.l. lb. .12½ - —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls lb. .35 - .45
Henna leaves, bls. lb. .19 - .21
powd., bbls., bgs. lb. .23 - .25
Heptane, industrial, Bayonne, N. J., tanks gal. .16 - —
group 3, tanks gal. .12½ - .13½
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots, Perth Amboy or N.Y.C. lb. .25 - —
bbls. lb. .25½ - —
smaller lots, bgs., same basis. lb. .26 - —
bbls. lb. .26½ - —
USP, dms., 500 lbs., or more, same basis lb. .38½ - —
smaller lots, same basis lb. .39½ - —
Diphosphate, USP, bots kilo. 500.00 - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks, gal. .13½ - .14½
Bayonne, N. J., tanks gal. .16 - —
Hexanol, normal, dms., c.l., works, lb. .30½ - —
l.c.l., works lb. .31 - —
tanks, works lb. .29 - —
Hexyleneglycol, dms., c.l., divd. lb. .14 - —
l.c.l., divd lb. .14½ - —
tanks, divd lb. .12½ - —
Hexylresorcinol, USP, 100 lbs. up, frt. alld lb. 19.00 - —
works lb. 19.00 - 27.75
smaller lots, frt. alld lb. 20.00 - 21.50
works lb. 20.00 - 33.50
Histidine hydrochloride—laevo, NF, fib. dms., 50 kilo lots, works kilo. 120.00 - —
1-5 kilos, works kilo. 130.00 - —
Homatropine hydrobromide, USP, bots oz. 15.00 - 25.00
Hydrochloride, bots oz. 20.00 - 22.00
Methylbromide, NF oz. 16.00 - 18.50
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 7.50 - —
Hops, NF, bls. lb. .40 - .45
Horehound, bls. lb. .12 - .15
Hydrangea root, bls lb. .14 - .17
Hydrastine, bots oz. 53.50 - 53.80
Hydrochloride, NF oz. 29.50 - 36.00
Sulphate, bots oz. 53.50 - 53.80
Hydrastinine, 10-grain bots bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cans., works lb. .30 - .40
Hydrogen peroxide, USP, bbls lb. .03¾ - .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½ - .19½
35%, cbys., same basis lb. .23½ - —
dms., c.l., same basis lb. .20½ - —
l.c.l., same basis lb. .21½ - —
tanks lb. .19¾ - —
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech., dms. lb. .70 - —
Hydroxycitronellal, cns lb. 5.35 - 6.50
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots oz. 18.00 - 20.00
Hydrobromide, bots oz. 18.00 - 19.50
Sulphate, bots oz. 14.00 - 19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l lb. .48 - —
liquid, No. 1, bbls., l.c.l. lb. .30 - —
No. 2, bbls., l.c.l lb. .25 - —
solid, No. 1, bxs., l.c.l. lb. .44 - —
Hyssop herb, bgs lb. .35 - .45
Leaves, bgs. lb. .45 - .50

I

Iceland moss, bgs. lb. .35 - .40
Ichthammol, NF, bots lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.16
synth., paste, bots lb. .23 - —
powd., bbls lb. 1.03 - —
Indol, CP, bots lb. 17.00 - 19.00
Inositol, tins, divd lb 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse. Staten Island lb. 1.729 - —
resubl., USP, bots., jars lb. 2.55 - 2.68
Iodochlorohydroxyquinolin, NF, dms. lb. 6.40 - —
Iodoform, NF, dms., kgs lb. 4.30 - 4.74
Ionone, alpha, cns lb. 5.10 - 12.30
beta, cns. lb. 7.05 - 6.50
Methyl (see M).

Gives better control OF CONSISTENCY IN NASAL JELLY

Another use of Kraystay, the pure vegetable stabilizer Kraft makes from carrageenin

Just the right body—not too firm, not overly thin—is mighty important in nasal jellies to make application easy, even and thorough.

Kraystay, in combination with glycerin or the glycols, provides exceptionally fine control in obtaining products of *any desired consistency.*

Kraystay demonstrates still another virtue in the preparation of medicinal jellies . . . *it is a demulcent in itself!*

A finer stabilizer . . . with many uses!

In varied proportions, Kraystay will show unusual stabilizing, emulsifying, thickening, suspending or gelling properties in cosmetics and pharmaceuticals of medium or low acidity.

Kraystay 16-8 is an excellent base for emulsions or pastes. When you add potassium chloride, it retains high gel strength at temperatures up to 240° F. Kraystay 16-14 combines low viscosity with excellent gel strength.

To find out more about Kraystay, call or write Kraft today. Kraft Foods Company, Dept. OP-16, 500 Peshtigo Court, Chicago 90, Ill.

NEW! NEW!

Two new additions to the Kraft line of quality stabilizers:
Kraft Blue Label edible Algin
Kraft Blue Label non-edible Algin.

GELOSE FROM THE SEA! The clear, pure vegetable gelose used in making Kraystay comes from these minute fronds of edible Irish moss. Taken from the cold ocean floor, they form the basis of this consistently efficient stabilizer whose uniform high quality is guarded by modern, scientific laboratory controls.

KRAYSTAY MADE BY KRAFT

A NEW DEVELOPMENT IN VEGETABLE STABILIZERS

IPC, bots., 1-5 lbs. lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point lb. 2.30 - 2.50
50 lbs., ship't point lb. 2.40 - 2.52
10-25 lbs., ship't point lb. 2.50 - 2.54
Ipecac root, bgs. lb. 4.25 - 4.50
powd., bgs. lb. 4.65 - 4.90
Irish moss, bleached, prime, bls. lb. .16 - .18
Iron acetate, liquor, 26° bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾ - —
solut., USP IX, cbys. lb. .16 - —
djms. lb. .17 - —
Cacodylate, NF, bots. lb. 13.50 - 14.50
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works, 100 lbs. 5.00 - 6.00
l.c.l., bbls., works 100 lbs. 5.50 - 8.00
USP, dms., works lb. .06¾ - .08¼
solut., 42 Be, 100% basis, tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms lb. .77 - .79
Gluconate, NF, dms lb. .85 - .95
Glycerophosphate, N.F., powd lb. 4.25 - 4.35
Hypophosphite, NF, dms. lb. 2.80 - —
Iodide, bots. lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼ - .21¾
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs. lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4%, Fe, dms., frt. alld. lb. .23 - —
Stearate, dms., c.l lb. .34 - —
ton lots lb. .35 - —
less ton lots lb. .36 - —
Sulphate, ferric, anhyd., bgs., c.l., works ton. 28.50 - —
l.c.l., works ton. 29.50 - —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms lb. .09½ - .10
Iron by hydrogen, kgs lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb. .55 - .58
brown, USP, gran., dms lb. .55 - .58
Oxalate, dms lb. .25½ - .28½
Iron-potassium oxalate fine gran., dms. lb. .30½ - .33½
Iron-sodium oxalate, fine gran., dms lb. .25½ - .28½
Isobornyl acetate, cns lb. .97 - 1.10
Isobutyl acetate, cns lb. .82 - 1.25
Methacrylate, M-5, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-5, cns., works lb. .60 - —
Propionate, cns lb. No prices.
Thiocyanocetate, dms., c.l., works. gal. 3.85 - —
l.c.l., works gal. 3.85 - 4.05
tanks, works gal. 4.23 - —
Isobutyraldehyde, dms., works lb. .50 - .53
Isoeugenol, cns. lb. 3.10 - 3.40
Isoleucine, dextro-laevo, with alloisoleucine, dms., works lb. 25.00 - 35.00
Isopentane, dms., works lb. .45 - .55
Isophorone, dms., c.l., works lb. .23½ - —
l.c.l., works lb. .24 - —
tanks, works lb. .22 - —
Isopropanol (see Acohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. lb. .10½ - —
l.c.l., same basis lb. .11 - .11½
tanks, same basis lb. .09 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl)
Phenylcarbamate (see IPC).
c.l., frt. alld. E
Isopropylamine, dms., c.l., works lb. .24 - —
l.c.l., same basis lb. .25 - —
Isoquinoline, dms., c.l., works lb. .20 - —
l.c.l., works lb. .40 - —

J

Jaborandi leaves, bls. lb. .15 - .20
Jalap root, NF, bls. lb. .40 - .45
powd., bbls., bxs. lb. .45 - .55
Resin, powd., bxs. lb. 7.15 - 7.25
Juniper berries, bgs. lb. .09 - .18
Tar, USP, dms. lb .40 - .65

K

Kamala, powd., cns. lb. .43 - .45
Kaolin (see China clay)
Kava kava root, bls lb. .25 - .30
Kerosene, at refinery; Ark., 42-44 specific gravity, w.w., tanks. gal. .0775- —
Bayonne, 41-43 s.g., w.w., tanks. gal. .084 - —
California, 40-43, s.g., w.w., tanks. gal. .121 - .156
Gulf ports, 41-43, s.g., w.w., tanks. gal. .085 - .0925
Okla.-Tex., 41-43, s.g., w.w., tanks. gal. .07375- .08875
Penn., 45 s.g., w.w., tanks gal. .095 - .10
Kola nuts, bgs. lb. .08 - .10
Kyanite, imp., low iron content, 10-mesh, whse. ton. 85.00 - 95.00
calcined, grain, 10-mesh, whse. ton. 95.00 - 105.00

L

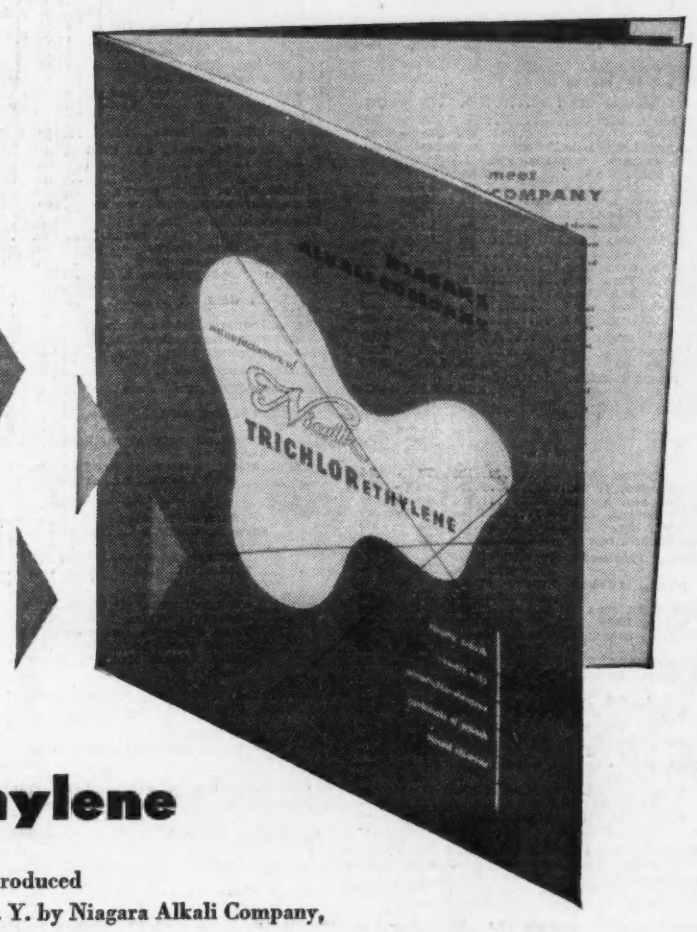
Lady slipper root, bls. lb. 1.50 - 1.73
Lanolin, anhyd., cosmetic, dms., works lb. .30 - .35
pharmaceutical, USP, dms., works lb. .29 - .32
hydrous lb. .28 - .30½
Lard, cash, trcs., Chicago lb. .13¼ - .13½
Larkspur seed bgs lb. .35 - .40
Laurel berries, bls lb. .25 - .26
Leaves, Portuguese, bls lb. .10 - .11
Greek, bls. lb. .08 - .08½
Turkish, bls., recleaned lb. .20 Nom.
Lavender flowers, medium, bls. lb. .55 - .60
ordinary, bls. lb. .18 - .20
select, bls lb. .60 - .65
Lead acetate, white, crystals, cbls., lb. .22¾ - —
gran., bbls lb. .23½ - —
powd., bbls lb. .23½ - —
USP, cryst., dms lb. .26 - .30
gran., powd., dms lb. .26¾ - .30¾
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. lb. .27 - .30
l.c.l., frt. alld lb. .31 - —
1-lb. bgs., c.l., frt. alld lb. .38 - .41½
l.c.l., frt. alld lb. .39 - .42½
Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld. lb. .15⅞ - —
l.c.l., works lb. .16⅞ - —
Carbonate (see Lead, white).
Chloride, fib. dms. lb. .49 —
Iodide, NF V, jars lb. 2.94 - 3.13
Linoleate, liq., 13% Pb, dms., frt. alld. lb. .29½ - —
Metal, pigs, prime, N.Y. lb. .15½ - —
E. St. Louis lb. .14925- —

Lead, metallic paste, dms., 20,000-40,000 lbs., work lb. .29 - —
10,000-20,000 lbs., same basis lb. .29½ - —
2,000-10,000 lbs., same basis lb. .30 - —
100 to 2,000 lbs., same basis lb. .30½ - —
Prices ex whse, Jersey City, N. J., 4½c. per pound hgher
Naphthenate, liquid, 16% pb, dms., dlvd lb. .15¾ - —
24% Pb, dms., dlvd lb. .21¾ - —
30% Pb, dms., dlvd lb. .26½ - —
Nitrate, bbls., c.l lb. .19 - —
l.c.l. lb. .19¼ - —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .30¾ - —
60% PbO, dms., works lb. .29¼ - —
Peroxide, powd., tech., bbls lb. .33 - .34
Phthalate, dibasic, dms., works lb. .39¼ - —
Red, 95%, Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. ship't point, frt. alld lb. .17⅞ - —
l.c.l., same basis lb. .18¾ - —
97% Pb_3O_4, bbls., c.l., same basis lb. .18⅛ - —
l.c.l., same basis lb. .19 - —
98%, Pb_3O_4, bbls., c.l., same basis lb. .18⅜ - —
l.c.l., same basis lb. .19¼ - —
Resinate, precip., dms., dlvd lb. .25 - —
lb. .41¼ - —
Salicylate, normal, dms., works lb. .42¾ - —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .1710- .1775
Stearate, dibasic, dms., works lb. .51½ - —
precip., bbls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works lb. .26¼ - —

Lead, tallate, liquid, 10% Pb, dms. lb. .13½ - —
solid, 30% Pb, dms lb. .21 - —
White, basic carbonate, bgs., c.l., ship't point, frt. alld lb. .17½ - —
l.c.l., same basis lb. .18½ - —
basic silicate, bgs., c.l., ship't point, frt. alld lb. .16 - .19¾
l.c.l., same basis lb. .16½ - .20¾
basic sulphate, bgs., c.l., ship't point, frt. alld lb. .15⅞ - —
l.c.l., same basis lb. .16⅞ - —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .16 —
l.c.l., same basis lb. .18½ - —
unbleached, c.l., same basis lb. .15 - —
l.c.l., same basis lb. .17½ - —
Lemon peel, bls lb. .22 .25
Leucine, dextro-laevo, dms., works lb. 28.00 - 35.00
Licorice extract, mass, cns lb. .45 - —
powd., bbls. lb. .55 - —
Root, bls lb. .08 .09
5-lb. bundles, cs lb. .40 .45
powd., bbls lb. .11 .12
Lignin extract, tanning grade, bgs., c.l., works lb. .04¾ - —
Lime, agricultural, bgs., works ton. 13.00 - 13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton. 9.00 - —
Annville, Pa ton. 10.00 - —
Bellefonte, Pa ton. 10.00 - —
Buffalo, N. Y. ton. 10.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa ton. 9.50 - —
Farnams, Mass. ton. 9.00 - —
Gibsonburg, Ohio ton. 8.50 - —
Hannibal, Mo. ton. 6.50 - —
Keystone, Ala ton. 9.75 - —

Lime, chemical (quicklime), lump, pebble, bulk, Knoxville, Tenn. ton. 9.75 - —
Limedale, Ark ton. 9.00 - —
Longview, Ala. ton. 9.75 - —
Martinsburg, W. Va ton. 10.00 - —
Menominee, Mich ton 8.00 - —
Mitchell, Ind ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 6.50 - —
Sherwood, Tenn ton. 10.00 - —
Sherwood, Wis. ton. 8.50 - —
Woodville, Ohio ton. 9.50 - —
York, Pa ton. 10.00 - —
Hydrated, paper bgs., Adams, Mass. ton. 11.50 - —
Annville, Pa ton. 13.50 - —
Bellefonte, Pa ton. 13.50 - —
Buffalo, N. Y ton. 13.50 - —
Carey, Ohio ton. 9.00 - —
Cedar Hollow, Pa. ton. 11.50 - —
Engle, W. Va ton. 13.00 - —
Farnams, Mass. ton. 11.50 - —
Gibsonburg, Ohio ton. 9.50 - —
Hannibal, Mo ton. 9.50 - —
Keystone, Ala ton. 13.00 - —
Knoxville, Tenn. ton. 12.25 - —
Limedale, Ark ton. 10.50 - —
Longview, Ala ton. 13.00 - —
Manistique, Mich. ton. 9.50 - —
Marblehead, Ohio. ton. 10.50 - —
Mitchell, Ind. ton. 10.00 - —
Petoskey, Mich ton. 10.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. Dak. ton. 12.00 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 8.00 - —
Sherwood, Tenn. ton. 13.00 - —
Sherwood, Wis. ton. 10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodyville, Ohio ton. 8.50 - —
York, Pa. ton. 13.50 - —

for high quality and superior stability



NIALK TRICHLORethylene

NIALK TRICHLORethylene is produced in a new plant at Niagara Falls, N. Y. by Niagara Alkali Company, one of America's pioneer chemical companies.

This new plant is completely modern and utilizes control equipment that satisfies the most exacting demands for a product of high quality and superior stability. It readily permits increased production to meet expanding demands.

WHAT YOU WANT TO KNOW about NIALK TRICHLORethylene and Niagara Alkali Company is contained in the booklet illustrated here. The coupon below will bring you a copy.

NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, New York

Liquid Chlorine · Caustic Potash
Carbonate of Potash
Paradichlorobenzene
Caustic Soda
NIALK TRICHLORethylene

Niagara Alkali Company, Dept. D,
60 East 42nd Street, New York 17, N. Y.

Gentlemen: Please send me a copy of your booklet on NIALK TRICHLORethylene.

Name_____
Position_____
Firm_____
Street_____
City_____ State_____

Lime, Spray—Oil, Cassia, USP

Lime spray, paper bags, Adams, Mass. ton 11.70 - —
Annville, Pa ton 13.50 - —
Bellefonte, Pa ton 13.50 - —
Carey, Ohio ton 11.00 - —
Engle, W. Va ton 13.00 - —
Farnams, Mass. ton 9.50 - —
Gibsonburg, Ohio ton 10.00 - —
Marblehead, Ohio ton 10.00 - —
Rockland, Me. ton 10.00 - —
Scioto, Ohio ton 10.00 - —
Woodville, Ohio ton 10.00 - —
York, Pa ton 13.50 - —

Lime salts (see Calcium).

Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).

Limestone, grd., bgs., works ton 3.50 4.00
Linalool, ex bois de rose lb 4.50 6.85
ex lignaloe wood lb 6.50 7.00
Linalyl acetate, ex bois de rose, bots lb 4.20 - 7.20
ex petitgrain, bots lb 4.25 - 6.00
Lindane, 25%, works, cans lb 3.00 - 3.05
dms., works lb 2.95 - —
Linden flowers with leaves, bls lb .22 - .25
without leaves, bls lb .22 - .26
Linseed meal, 34% bulk, Midwest mills ton 57.00 -58.00
Litharge, com'l, powd., bbls., c.l., ship't., frt. alld lb .16⅞- —
l.c.l., same basis lb .17¾- —
Lithium benzoate, dms lb 1.65 - —
Bromide, NF, bbls., works, frt. equald lb 1.90 - —
Carbonate, NF, bbls., kgs lb 1.10 - 1.15
Chloride, dms. lb 1.00 - —
Citrate, NF, bbls., dms., kgs lb 1.25 - —
Fluoride, bbls. lb 1.95 - —
Hydroxide, dms. lb 1.10 - —
Salicylate, dms. lb 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., ship't point lb .06¼- —
l.c.l., same basis lb .06½- .06⅝
Titanated (high-strength), bgs., c.l. lb .08¼- —
smaller lots lb .08½- —

Lithopone prices, Pacific Coast, ¾c. per lb higher

Liverwort leaves, bls lb .75 - .80
Lobelia herb, bls lb .50 - .55
leaves, NF lb .75 - .80
Lobeline sulphate, bots., works oz 25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb .38½- —
No. 2, bbls., l.c.l., lb .36½- —
liquid, No. 1, bbls., l.c.l lb .18½- —
No. 2, bbls., l.c.l. lb .17½- —
No. 3, bbls., l.c.l. lb .17 - —
No. 4, bbls., l.c.l. lb .16½- —
solid, No. 1, bxs., l.c.l. lb .33 - —
No. 2, bxs., l.c.l. lb .31 - —
No. 3, bxs., l.c.l. lb .28½- —
No. 4, bxs., l.c.l. lb .28 - —
No. 5, bxs., l.c.l. lb .26½- —
No. 6, bxs., l.c.l. lb .44½- .49¼
Lovage root, imp., bls lb 1.00 - 1.10
Lupulin, tins lb 1.95 - 2.00
Lycopodium, cs lb 1.45 - 2.00
Lysine hydrochloride, dextro-laevo. kilo 145.00 -149.00

M

Mace, Amboyna, bls lb .73 - .74
Banda, No. 1, bls lb .98 - .03½
Siauw, No. 1, bls lb .89 - .90
West Indian, bls lb .85 - .86
broken, bls lb .68 - .69
Madder, Dutch, bgs lb .29 .32
Magnesia, calcined, tech., ctns., works lb .32 —
synth., rubber grade, ctns., works lb .29 - —
USP, light ctns lb .34 - —
heavy, bbls lb .36 - —
Magnesium arsenate, bgs., cans, works lb .20 .30
Bromide, jars lb .90 1.00
Carbonate, tech., bgs., c.l., frt. equald lb .09 - —
l.c.l., frt. alld. lb .10 - —
bbls., c.l., frt. equald lb .10¼- —
l.c.l., frt. alld. lb .11¼- —
kgs., c.l., frt. equald lb .11½- —
l.c.l., frt. alld. lb .12½- —
USP, bgs., c.l., frt. equald lb .10¾- —
l.c.l., frt alld lb .11¾- —
bbls., c.l., frt. equald lb .11¼- —
l.c.l., frt. alld. lb .12¼- —
kgs., c.l., frt. equald lb .12½- —
l.c.l., frt. alld. lb .13½- —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.

Chloride, anhyd., dms., works lb .12¼- —
flake, bbls. c.l., works ton 40.00 —
l.c.l., works ton 44.00 -46.00
Gluconate, dms., cns lb 2.80 - 2.94
Glycerophosphate, dms., works lb 4.85 - —
Hydroxide, NF, medicinal, bbls., dms., kgs lb .29 .30
Hypophosphite, dms. lb 1.60 — —
Laurate, bbls lb .46 .47
Metal, 99.8% ingots, cs., works lb .20½- —
sticks, cs., works lb .34 - .38
Oleate, fused, bbls lb .31 - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb .75 —
Silicate (see Talc).
Silicofluoride, bbls., works lb .09 - .10
Stearate, ctns., c.l lb .35 - —
smaller lots lb .36 .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots lb .43 - —
100-lb. lots lb .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton 67.50 - —
dead-burnt, bulk, c.l., Chewalah, Wash ton 30.50 - —
Maleic anhydride, dms., c.l., frt., alld lb .30 - —
l.c.l. lb .31 - —
Prices on maleic anhydride West of Rockies 1½c. higher.
Malva flowers, black, bls lb 1.00 - 1.25
Blue, bls. lb .95 - 1.10
Leaves, bls lb .35 - .40
Manaca root, bls lb .49 .50
Mandrake root, bls lb .30 - .35
Manganese acetate, bbls. lb .32 —
Arsenate, bgs lb .12 - .12¼
Borate, tech., bbls lb .23 - —
Carbonate, bbls lb .19 - —
Chloride, anhyd., dms., works lb .18 - .19
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works. ton 74.00 - —
smaller lots, works ton 77.00 -82.00
burlap bgs., c.l., works ton 71.75 —
l.c.l., works ton 74.75 -79.79
paper bgs., c.l., works ton 70.00 —
l.c.l., works ton 73.00 —
85-90%, bbls., c.l., works ton 74.00 —
smaller lots, orks ton 77.00 -82.00
Gluconate, dms., cns lb 3.00 - 3.25
Glycerophosphate, NF, fib. dms lb 4.15 - 4.25
Hydrate, bbls., dlvd lb .26 —
Hypophosphite, NF, dms lb 2.00 —
Manganese linoleate, liquid, 4.35% Mn, dms lb .39¼- —
solid, precip., 8.2% Mn, bbls., lb .41½- —
Metal, cs, dlvd. East lb .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. alld lb .22¾ - .23¼
Oleate, precip, bbls lb .33½- —
Resinate, fused, 3½% Mn, dms lb .20 - —
precip., dms lb .21½- —
Stearate, ctns., c.l. lb .35 - —
smaller lots lb .36 - .37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton 60.00 - —
l.c.l., dlvd. S. E. ton 67.00 - —
feed grade, 30%, bgs., dlvd. S. E. lb .05¼- .07
75%, bgs, c.l., dlvd. S. E. ton 68.50 - —
l.c.l., dlvd. S. E. ton 75.50 - —
Tallate, liquid, 4% Mn, dms lb No prices.
solid, 8% Mn, dms lb No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. No stocks.
So. American, same basis ton 65.00 -68.00
Manna, flake, large, cs lb 1.25 - 1.35
small, cs lb .85 - 1.00
Mannitol, com'l, dms., works lb .40 - .43
reagent, 50-lb. dms., works lb .85 - —
Marjoram, Argentine, bls lb .14 Nom.
Chilean, bls lb .16 - .16½
French, bls. lb .34 - .35
Matico leaves, bls lb .25 .28
Melamine, bgs., ton lots, works lb .33 - —
500 lbs. or more, works lb .33½- —
less 500 lbs., works lb .38½- —
Menadione, USP, bots., works gram .06½ —
Menthol, natural, USP, Brazilian lb 11.45 -11.50
synthetic, USP, racemic, cns lb 7.25 Nom.
Menthyl salicylate, tins lb 4.25 4.35
Mercaptobenzo thiazole, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots lb .27 - —
less ton lots, same basis lb .29 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms lb 2.13 - 2.15
Chloride (see Calomel).
Cyanide, NF, cryst., powd lb 3.27 - 3.32
Iodide, red, NF, dms lb 4.32 - —
Yellow, NF, fib. dms lb 4.42 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd lb .13 - —
l.c.l., dlvd lb .13½- —
tanks, dlvd lb .11½- —
Metaldehyde, dms., works lb .78 - —
Metachloranilin, dms., works lb .75 - —
Metacresol, 98%, dms., c.l., works lb .55 - .60
works, l.c.l. lb .56 - —
80-82%, dms., works lb .35 - —
70-75%, dms., works lb .30 - —
Metaparaisopropylphenol, dms., c.l. lb .21 - —
l.c.l., dms lb .22 - —
tanks lb .20 - —
Metanitroparatoluidin, bbls lb 1.28 1.33
Metaphenylenediamine, kgs lb .76 - —
Metatoluidine, bbls., works lb .80 - —
Metatolylenediamine, kgs lb .85 - —
Methanol, natural, dms., c.l., frt. alld gal .58 - —
l.c.l., frt. alld gal .61 - —
tanks, frt. alld gal .50 - —
Prices on natural methanol W. of Miss. 3c. higher
synthetic, eastern production, zone 1, dms., c.l., frt. alld. gal .38 - —
l.c.l., frt. alld gal .41 - —
tanks, frt. alld gal .26 - —
zone 2, dms., c.l., frt. alld. gal .45 - —
l.c.l., ex whse gal .47½- —
tanks, frt. alld gal .31 - —

Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash

Texas production, Midwest and Gulf states, dms., c.l., works, frt. alld gal .38 - —
tanks, frt. alld gal .26 - —
West of Rockies, dms., c.l., frt. alld gal .45 - —
tanks, frt. alld gal .31 - —
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., works, 50-lb. or more lb 7.25 - —
1 to 49-lb. lots, works lb 8.75 - —
Methoxychlor, dealers, dms., cs., works lb .65 - —
Methyl abietate non-ret. dms., c.l., dlvd., zone 1 lb .17 - —
l.c.l., same basis lb .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb .17¼- —
l.c.l., same basis lb .17¾- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetate, dms., c.l., dlvd., N. Y. lb .08 - —
l.c.l., same basis lb 08½- —
Acetoacetate, dms., c.l., works lb .49½- —
l.c.l., same basis lb .50 - —
tanks, works lb .45 - —

Methyl acetoacetate prices frt. alld. W., ½c higher

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld. gal .60 - —
l.c.l., same basis gal .71 - —
Natural methyl acetone group A prices W of Miss. 3c per gal. higher.
Group B, dms., incl., E. Miss., frt. alld., any quantity gal .50 - —
synthetic, dms., c.l., works, frt. alld. E gal .53 - —
frt. alld. W gal .57 - —
l.c.l., works, frt. alld. E gal .56½- —
frt. alld. W gal .60½- —
tanks, works, frt. alld. E gal .43½- —
frt. alld. W gal .47 - —

Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).
Anthranilate, 500 lbs. or more lb 2.10 —
smaller lots lb 2.20 3.00
Benzoate, cns. lb .55 - 1.20
Bromide, dealers, cns lb .69 - .71
cyls. lb .60 - .78
Chloride, indust., cyl., works lb .17 - —
tanks, multi-unit, works lb .13 - —
single-unit works lb .10½- —
refrigerator mfrs., cyls., dlvd. lb .37 - —
other consumers or service men, cyls., dlvd lb .42 - —
Cinnamate, cns lb 1.48 - 1.65
Formate, refd., dms lb .35 - .40
tech., non-ret. dms., any quantity, works lb .06 - —
tanks, works lb .07 - —
Methyl heptin carbonate, bots lb 36.00 -58.00
Iodide, bots., cbys lb 3.00 - 4.85
Lactate, dms., l.c.l., works lb .35 - —
Methacrylate, M-1, dms., works lb .45 - —
cns, works lb .48 - .58
P-1, cns., works lb .60 - —
Parahydroxybenzoate, USP, bots. lb 2.10 - 2.20
fib. dms. lb 1.90 2.00
Roseanilin chloride, USP, bots. lb 5.15 - 5.30
Salicylate, USP, dms., 500 lbs. lb .40 - —
25-50 lbs. lb .45 - —
Testerone, USP, 100 gms gm 3.75 - —
Methylal, refined, 95%, dms., c.l. lb .06 - —
l.c.l., works lb .07 - —
tanks, works lb .04½- —
Methylamyl acetate, dms., c.l., dlvd. lb .13 - —
l.c.l., dlvd lb .13½- —
tanks, dlvd lb .11½- —
Ketone, dms., works lb 70 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld. lb .68 - —
2,000 lbs. and more, same basis lb .70 - —
smaller lots, frt. alld. on 100 lbs. lb .75 .80
standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld lb .62 - —
2,000 lbs and more, same basis lb .63 - —
smaller lots, frt. alld. on 100 lbs. lb .68 - .72
Methylene blue, USP, 100-lb. lots, kgs., frt. equald lb 2.87 - —
smaller lots, kgs., same basis lb 3.02 - 3.22
Chloride, indust., dms., c.l., dlvd. E lb .12½- —
l.c.l., dlvd E lb .13½- —
tanks, dlvd. E lb .11½- —
Methylethyl ketone, dms., c.l., dlvd. lb .10½- —
l.c.l., dlvd lb .11 - —
tanks, dlvd lb .09 - —
Methylhexyl ketone, tech., dms., works lb .60 - —
Methylionone, A, cns lb 6.55 - 6.80
D, cns lb 7.50 - 9.55
prime, cns lb 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl)
Ketone, dms., c.l., dlvd lb .12½- —
l.c.l., dlvd lb .13 - —
tanks, dlvd lb .11 - —
Methylnaphthyl ketone, cns lb 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb .03⅞- —
roofing, 20 to 80 mesh, works lb .03⅜- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb .05½- —
l.c.l., ex whse. or frt. alld. E lb .06¼- —
extra fine, bgs., c.l., works, frt. alld. E lb .05½- —
l.c.l., ex whse. or frt. alld. E lb .06¼- —
paint or lacq., bgs., c.l., works, frt. alld. E lb .07 - —
l.c.l., ex whse. or frt. alld. E lb .07¾- —
rubber, bgs., c.l., works, frt. alld. E lb .06¾- —
l.c.l., ex whse. or frt. alld. E lb .07¼- —
wallpaper, bgs., c.l., works, frt. alld. E lb .07 - —
l.c.l., ex whse. or frt. alld. E lb .07¾- —
white, extra fine, bgs., c.l., works, frt. alld. E lb .07 - —
l.c.l., ex whse. or frt. alld. E lb .07¾- —
Mica, wet-grd., W. of Miss. R., W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l. lb .10¾- .12¾
spray, bbls., c.l. lb .12¾- .13¾
Whole, roller, bbls., c.l. lb .28 - .33
spray, bbls., c.l. lb .29½- .35¼
Sugar, crude, ogs., c.l., works lb .17 - —
edible, bbls. works, 30,000-lb. lots lb .24 - —
2,000-lb. lots lb .24¾- —
200-1,800-lb. lots lb .25¼- —
USP, bbls., works, 30,000-lb. lots lb .26 - —
2,000-lb lots lb .26¾- —
200-1,800-lb. lots lb .27¼- —
Molasses, blackstrap, tanks gal .08 - .08½
New Orleans gal .06½- —
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 99% Mo., powd., kgs lb 2.60 - 3.00
pure, kgs., works, basis Mo. content lb .95 - —
technical, kgs., works, basis Mo. content lb .90 - —
Monochlorobenzene, dms., c.l., works, frt. alld lb .07 - .08
l.c.l., works, frt. equald lb .08 - .10
tanks, works, frt. equald lb .06 - .06½
Monoethanolamine, dms., c.l., frt. alld. E lb .27 - —
l.c.l., same basis lb .28 - —
tanks, same basis lb .25½- —
Monoethylamine, dms., c.l., works, basis 100% lb .22 - —
l.c.l., same basis lb .23 - —
tanks, same basis lb .20 - —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100% lb .35 - —
l.c.l., same basis lb .35½- .36
tanks, same basis lb .31 - —
Monomethylanilin, dms. works lb .70 - —
Monononylnaphthalene, dms., c.l., works lb .14 - —
l.c.l., works lb .15 - —
tanks, works lb .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic)
Monotertiarybutylmetacresol, dms., c.l., works lb .50 - —
l.c.l., works lb .51 - —
tanks, works lb .49 - —
Morphine, cns oz. 12.35 -12.40
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - —
Hydrochloride, NF, cns oz. 9.90 - —
Sulphate, USP, cns oz. 9.90 - —
Morpholine, dms., c.l., works lb .59½- —
l.c.l., works lb .60 - —
smaller containers, works lb .75 - —
tanks, works lb .58 - —
Mountain ash berries, bgs lb .55 - .57
Mullein flowers, cs. lb 1.25 - 1.30
Leaves, bls. lb .12 - .16
Musk, nat., Tonquin, grains, bots. oz. 25.00 -30.00
synthetic—Ambrette, 100 lbs lb 5.40 - —
25 lbs lb 5.50 - —
5 lbs lb 5.65 - —
Ketone, 100 lbs lb 4.95 - —
25 lbs lb 5.05 - —
5 lbs lb 5.20 - —
Xylol, 100 lbs lb 1.60 - —
25 lbs lb 1.70 - —
5 lbs lb 1.85 - —
Musk root, bls lb No prices.
Mustard seed, Calif., brown, f.o.b. source lb .06½- .09
Danish, bgs. lb .15 - .15½
Dutch, yellow, bgs lb .15 - .15½
English, yellow, bgs lb .12¾- .13
Montana, brown, bgs., source lb .05¾- .06
Oriental, bgs., source lb .06¼- .06½
yellow, bgs., source lb .11 - .11½
Washington, yellow, source, bgs lb .12 - .12½
Myrobalans, J1, assorted, ex dock ton 61.00 -62.00
J2, ex dock ton 52.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., bbls., frt. equald lb .06 - —
tanks, same basis lb .0525- —
78°, bgs., c.l., works, frt. equald lb .0635- —
l.c.l., same basis lb .0660- —
bbls., c.l., same basis lb .0635- —
l.c.l., same basis lb .0660- —
78°, dms., c.l., same basis lb .0750- —
l.c.l., same basis lb .08 - —
tanks, same basis lb .0575- —
refined, industrial, bbls., c.l., frt. equald lb .10 - —
bgs., c.l., same basis lb .10½- —
tanks, same basis lb .09 - —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis lb .14 - —
bbls., c.l., same basis lb .13¾- —
5-lb. pkgs., c.l., same basis lb .15¼- —
Neocinchophen, USP, dms., works lb 7.00 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y ton 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y ton 18.25 - —

Nepheline syenite in bgs., $3 per ton higher than bulk.

Nerolin, cns lb 2.00 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb .50 —
Carbonate, bbls., dlvd lb .48 - .50
Chloride, bbls., dlvd lb .23 - —
Cyanide, bots., dms lb 1.75 - 2.00
Formate, bbls., ton lots, dlvd lb .43½- —
Metal, electro cathodes, cs lb .40 - —
Nitrate, bbls., works lb .24½- .25½
Oxide, black, bbls lb .42 - —
Sulphate, bgs., c.l., dlvd lb .18 - —
l.c.l., dlvd lb .18½- —
Nicotinamide, USP, dms., works kilo 11.00 -11.30
Hydrochloride, dms., works kilo 10.50 -10.80
Nicotine sulphate, 40%, 56 lb. dms., dealers, frt. alld. over 50 lbs. dm 53.65 - —
tins, 10 lbs., dealers, frt. alld. on cases of 6 tin 11.80 - —
Nikethamide, bots., cbys lb 5.50 - 6.60
Nitercake, bulk, works ton No stocks.
Nitrobenzene, dbl. dist., dms., c.l lb .09 - .09¼
l.c.l. lb .10 - .11
tanks lb .08 - .08¼
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight lb .28 - —
l.c.l., same basis lb .29 - .31
18-25 cps., bbls., c.l., same basis lb .30 - —
l.c.l., same basis lb .31 - .33
18-25 cps., 250-400 sec., and 600-1,000 secs., bbls., c.l., same basis lb .32 - —
l.c.l., same basis lb .33 .35
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis lb .33 - —
l.c.l., same basis lb .34 - .36

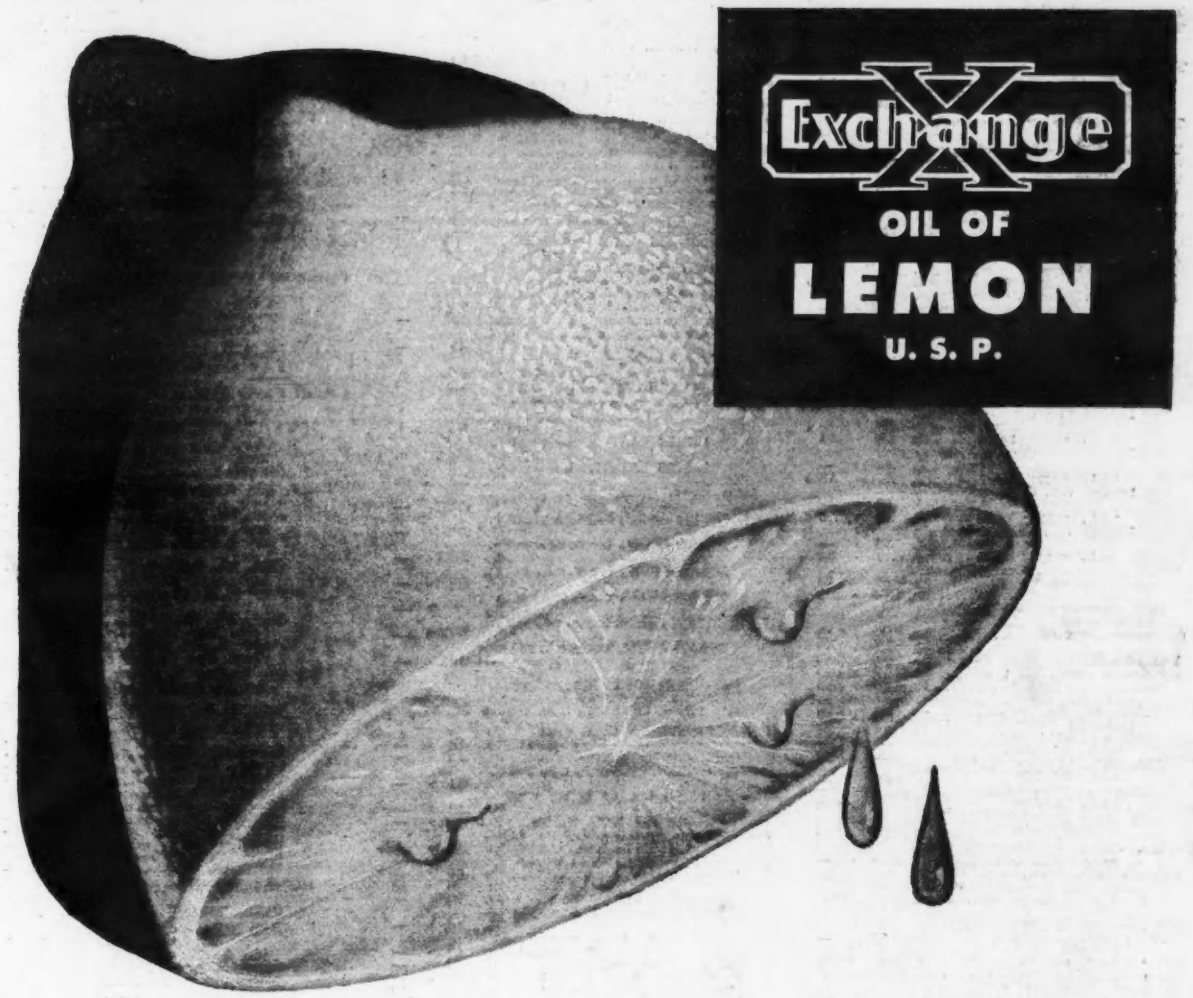
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitroethane, dms., works lb .30 —
Nitrogen solution, tanks, works, N ton 120.00 -137.16
Nitrogenous process tankage, bulk, works, ammo unit-ton 3.50 - 3.60
Sewage sludge, bulk, works, unit ton 3.25 + .40
Nitromethane, dms., l.c.l., works lb .30 —
Nitropropane, 1, dms., works lb .30 - —
2, dms., works lb .30 - —
Nutgalls, Aleppo, bgs lb .43 - —
Chinese, bgs lb .38 - —
Istrian, bgs lb .31 - —
Nutmeg, East Indian, bgs lb .41 - .42
futures, bgs lb .39 - .40
West Indian, bgs lb .33 - .34
futures lb .32 - .33
Nux vomica, bls lb .10 - .12
powdered, bbls., bxs lb .13 - .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l gal .19 —
l.c.l. gal .21 - .60
tanks gal .15½- —
10° C, Bayonne, N. J., tanks gal .16 —
Octanol, normal, tech., dms., c.l., dlvd lb .34½- —
l.c.l., dlvd lb .36½- —
tanks, dlvd lb .32 - —
Oil, abies siberica, cns lb 2.35 3.10
Almond, artificial, bitter, (see Benzaldehyde)
natural, bitter, F.P.A., bots lb 3.85 5.00
NF, bots lb 3.85 - 4.75
Sweet, dms., cns lb .75 - .95
Amyris, dms lb 1.55 - 1.65
Angelica root, bots lb 120.00 -190.00
Seed, bots lb 80.00 -100.00
Anilin (see A)
Anise, USP, Chinese, dms lb .76 - 1.05
Apricot kernel, USP, dms lb .42 - .56
Avocado, cns., dms lb 1.00 1.10
Babassu, crude, tankcars lb .20½ Nom.
Bay, NF, Puerto Rican, 50-55%, cns lb 1.20 1.50
55-50%, cns. lb 1.20 1.60
West Indian, 50-55%, cns. lb 1.20 1.60
Bergamot, artif., cns lb 2.00 - 4.25
natural, Italian, cns lb 4.35 - 4.85
Birchtar, crude, cns lb .95 1.76
rectified, NF, cns lb 4.15 - 4.25
Bois de rose, Brazil lb 2.75 - 3.30
Mexican (see Oil, lignaloe wood).
Bone, dms., works gal .65 .70
Cajeput, tech., dms lb 1.65 - 2.00
redistilled, USP, cns lb 2.20 - 4.50
Calamus, cns lb 20.00 -28.00
Camphor, natural, white, cns lb .40 50
dms. lb .27 - .40
Cananga, native, cns lb 1.95 - 2.55
rectified, cns lb 2.60 2.85
Capsicum (see Capsicum oleoresin
Caraway, NF, cns lb 4.75 - 6.50
Cardamom, NF, bots lb 46.50 -55.00
Cassia, USP, cns lb 1.80 - 2.40

Oil, castor, blown, dms., c.l.	lb.	.20¼-	—
dms., l.c.l.	lb.	.20¾-	—
standard, USP, dms., c.l.	lb.	.18¼-	—
l.c.l.	lb.	.18¾-	—
tanks	lb.	.17¼-	—
refined and deodorized, dms., c.l.	lb.	.19¾-	—
l.c.l.	lb.	.20¼-	—
tankcars	lb.	.18¾-	—
dehydrated, bodied, dms., c.l.	lb.	.22 -	—
l.c.l.	lb.	.22½-	—
tanks	lb.	.21 -	—
unbodied, dms., c.l.	lb.	.21 -	—
l.c.l.	lb.	.21½-	—
tanks	lb.	.20 -	—
hydrogenated, dms., c.l., works.	lb.	.28 -	—
l.c.l., same basis	lb.	.27 -	—
No. 3, tech., dms., c.l.	lb.	.17 -	—
l.c.l.	lb.	.17½-	—
tanks	lb.	.16 -	—
sulphonated, 50% (48% fat), dms.	lb.	.12 -	.13
75% (60-62% fat), dms.	lb.	.15¾-	.16¼
Cedarleaf, USP, cns., dms.	lb.	1.85 -	2.25
tech., dms.	lb.	1.70 -	1.80
Cedarwood, cns.	lb.	.40 -	.55
dms.	lb.	.34 -	.50
Celeryseed, bots.	lb.	15.00 -	16.50
Chaulmoogra, NF, cns., dms.	lb.	.55 -	.70
Chinawood (see Oil, tung).			
Cinnamon bark, bots.	lb.	27.00 -	60.00
Leaf, Ceylon	lb.	1.50 -	1.75
Seychelle	lb.	1.20 -	—
Citronella, Ceylon, cns.	lb.	.80 -	1.05
Java type, cns.	lb.	1.75 -	2.00
Clove, USP, from Madagascar buds, cns., dms.	lb.	1.45 -	1.75
from Zanzibar, buds, cns., dms.	lb.	1.80 -	2.15
Coconut, crude, tanks, Atlantic ports	lb.	.17½-	—
Pac. Coast	lb.	.16 -	—
refined, Cocnut type, tax incl., dms., l.c.l.	lb.	.22½ Nom.	
deodorized, tax incl., dms., l.c.l.	lb.	.26 Nom.	
Cod, Newfoundland, dms.	lb.	.11 -	.12
Codliver, USP, dms.	lb.	2.10 -	2.20
Coriander, bots.	lb.	29.00 -	35.00
Corn, crude, tanks, works	lb.	.16 -	—
foots, acid, 85%, tanks, dlvd. E	lb.	.03¾ Nom.	
raw, 50%, tanks, dlvd. E	lb.	.01¾ Nom.	
refined, dms., mills	lb.	.20½-	—
tanks, New York	lb.	.19 -	—
Costus, bots.	oz.	30.00 -	—
Cottonseed, crude, tanks, Southeast and Valley	lb.	.14½-	—
foots, acid 85%, tanks, dlvd. E	lb.	.03¾-	Nom.
raw, 50%, tanks, dlvd. E	lb.	.01¾	Nom.
refined, dms.	lb.	.20½-	.21
tankcars	lb.	.18½-	—
Creosote (see Creosote, coaltar).			
Croton, NF, cns.	lb.	4.75 -	5.50
Crude (see Petroleum, crude).			
Cubeb, cns.	lb.	7.00 -	7.50
Cumin, bots.	lb.	6.25 -	11.00
Cypress, bots.	lb.	11.00 -	15.00
Degras (see D).			
Dillseed, bots	lb.	9.00 -	9.50
Dillweed, bots., dms.	lb.	6.75 -	8.60
Dip (see D).			
Erigeron, cns.	lb.	5.00 -	5.25
Eucalyptus, rectified, USP, 80-90%, cns.	lb.	.70 -	1.45
70-80%, cns.	lb.	.58 -	1.30
Fennel, sweet, cns.	lb.	2.50 -	3.00
Fir, Canada, cns.	lb.	1.85 -	1.95
Fishliver, 6,000 to 12,000 A units, 1,000,000 units.		.13 -	.14
15,000 to 20,000 A units, 1,000,000 units.		.14¼-	.14½
25,000 to 35,000 A units, 1,000,000 units.		.17¾-	.18¼
40,000 to 55,000 A units, 1,000,000 units.		.18¾-	.19¼
Fishliver, concentrate, 100,000 A units, dms., 1,000,000 units.		.32 -	—
200,000 A units, dms., 1,000,000 units.		.35 -	—
300,000 A units, dms., 1,000,000 units.		.39 -	—
400,000 A units, dms., 1,000,000 units.		.42 -	—
500,000 A units, dms., 1,000,000 units.		.45 -	—
Fuel (see Petroleum fuel oil).			
Fusel (see F).			
Garlic, pure, bots.	oz.	5.25 -	9.50
Gaultheria (see Oil, wintergreen).			
Geranium, Algerian, cns.	lb.	10.50 -	12.00
Bourbon, cns.	lb.	12.50 -	13.00
Turkish (see Oil, palmarosa).			
Ginger, dist., bots.	lb.	21.00 -	25.00
Grapefruit	lb.	.80 -	1.25
Grease, No. 1, dms.	lb.	.11 -	.11½
extra, Winter, strained, dms.	lb.	.13 -	.13½
prime, burning, dms.	lb.	.14 -	.14½
Guaiacwood, cns.	lb.	1.85 -	2.15
Hemlock, cns.	lb.	1.65 -	2.75
Herring, crude, tanks, Pac. coast.	lb.	No prices.	
Juniper berry, NF VIII, bots.	lb.	3.00 -	7.00
twice rectified	lb.	4.75 -	5.00
Tar, USP (see Juniper tar).			
Wood, tech., cns.	lb.	.65 -	2.00
Lard (see Oil, grease).			
Laurel, bots.	lb.	9.75 -	12.50
Lavandin, cns.	lb.	1.10 -	1.65
Lavender flower, French, 38-42% ester, cns.	lb.	3.20 -	4.35
30-32% ester, cns.	lb.	2.20 -	3.10
Spike, Spanish, cns.	lb.	.90 -	1.05
Lemon, USP, Calif., cns.	lb.	2.65 -	3.00
Messina	lb.	2.40 -	5.00
terpeneless, bots	lb.	32.00 -	65.00
Lemongrass, cns., dms.	lb.	1.60 -	2.05
Lignaloe seed, Mexican, cns.	lb.	4.50 -	4.80
Wood, Brazilian (see Oil, bois de rose).			
Mexican, cns	lb.	2.75 -	5.20
Lime, distilled, Mexican, cns.	lb.	6.50 -	7.50
West Indian, cns.	lb.	6.75 -	7.50
expressed, West Indian, cns.	lb.	6.75 -	9.75
terpeneless, bot.	lb.	62.00 -	65.00
Linseed, raw, dms., c.l.	lb.	.2080-	—
l.c.l.	lb.	.2140-	.2260
tankcars	lb.	.1960-	—
tankwagon	lb.	.1990-	—
Boiled linseed oil .007 higher than raw			
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks.	gal.	.285	—
neutral, 300 vis., No. 3, col., 0.10 pour, tanks	gal.	.21	.22
200 vis., No. 3, col., 15-25 pour, tanks	gal.	.18	.19
145-155 vis., No. 3, color, 10-25 pour, tanks	gal.	.285	—
Penna., W, cylinder, 600-650 flash, tanks	gal.	.33	.38
600-650 steam refd., tanks.	gal.	.37	—
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks	gal.	.37	.39
200 vis., 25 pour, tanks.	gal.	.39	.41
South Texas, neutral, pale, 200 vis., 2¼-4 pour, tanks.	gal.	.11	.12
red, 200 vis., 4-6½ pour, tanks.	gal.	.11	.12½
Mace, dist., cns., dms.	lb.	3.75	5.35
Mandarin, Brazilian, cns.	lb.	4.25	8.40
Italian, cns.	lb.	8.95 -	9.75
Oil, menhaden, crude, tanks, Balto.	lb.	.07½ Nom.	
refined, alkali, dms.	lb.	.1230-	—
kettle-bodied, dms.	lb.	.1380-	—
light-pressed, dms.	lb.	.1130-	—
tanks	lb.	.0970-	—
Mineral, white (see Oil, white, mineral).			
Mirbane (see Nitrobenzene).			
Mustard, synthetic, USP, cns.	lb.	1.40 -	1.70
Seed, expressed, dms.	lb.	.13 -	.13½
Neatsfoot, 15°, dms.	lb.	.27 -	—
20°, dms.	lb.	.25 -	—
30°, dms.	lb.	.22 -	—
Neroli, French, bots.	lb.	75.00 -	390.00
Haitian, bots	lb.	175.00 -	390.00
Niaouli, cns.	lb.	2.75 -	3.25
Nutmeg, dist., East Indian, cns., dms.	lb.	3.75 -	5.35
West Indian, cns., dms.	lb.	3.55 -	4.65
Ocotea cymbarum, dms.	lb.	.46 -	.60
Oitica, liquid, dms.	lb.	.21¼-	.21¾
Oleoic oil, extra, trcs.	lb.	.15½-	—
Olibanum, bots.	lb.	4.50 -	6.25
extra fine, bots.	lb.	6.25 -	10.50
Olive, denat., dms.	gal.	2.90 -	—
edible, denat., dms.	gal.	3.25 -	—
Spanish, dms., duty-paid.	gal.	3.35 -	3.50
Moroccan, dms., duty-paid.	gal.	3.35 -	3.40
foots, dms.	lb.	.19¾ Nom.	
sulphonated, 50% (40% fat), dms., c.l.	lb.	No stocks.	
l.c.l.	lb.	No stocks.	
75% (62% fat), dms., c.l.	lb.	No stocks.	
l.c.l.	lb.	No stocks.	
Orange, sweet, natural, dist., cns.,	lb.	.30 -	.60
expressed, USP, Brazilian, cns	lb.	.80 -	1.25
Calif., cns.	lb.	.60 -	1.00
Florida, cns., dms.	lb.	.50 -	1.00
Messina, coppers	lb.	3.25 -	5.00
West Indian, cns.	lb.	2.25 -	3.75
sesquiterpeneless, bots.	lb.	55.00 -	135.00
Oil, origanum, Spanish, cs.	lb.	2.40 -	3.50
Palm, Congo, dms.	lb.	.12¼-	—
tankcars	lb.	.11½-	—
Palmarosa, cns.	lb.	6.25 -	9.00
Palmkernel, crude, bulk, c.i.f. NY	lb.	No prices.	
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery	gal.	.11½-	—
Patchouli, dms.	lb.	7.50 -	9.50
Peach kernel, USP (see Oil, apricot kernel).			
Peanut, crude, tanks, works	lb.	.19½ Nom.	
foots, acid, 95%, tanks, dlvd. E	lb.	.03¾ Nom.	
raw, 50%, tanks, dlvd. E	lb.	.01¾ Nom.	
refined, tanks, dlvd. E	lb.	.23 Nom.	
drums	lb.	.24½-	.25
Pennyroyal, USP, dom., dms., cns.	lb.	No stocks.	
imported, cns.	lb.	2.20 -	2.75
Peppermint, natural, dms.	lb.	5.40 -	6.35
redist., USP, dms.	lb.	5.65 -	6.75
Persic, USP (see Oil, apricot kernel).			
Perilla, crude, dms.	lb.	No stocks.	
Petitgrain, Paraguay, cns.	lb.	2.15 -	2.80
Pimento berry, dms.	lb.	3.85 -	6.00
leaf, cns.	lb.	1.50 -	1.90
Pine, dest.-dist., dms., incl., c.l., works, South	gal.	.60 -	.69
l.c.l., works, South	gal.	.61 -	.70
dms., incl., c.l., works, South	lb.	.07½-	—
l.c.l., works, South	lb.	.08 -	—
ex whse., N. Y. C.	gal.	.70 -	—
ex whse., N. Y. C.	lb.	.09½-	—
tanks, works, South	lb.	.062 -	—
tanks, works, South	gal.	.60 -	—
Oil, pine, steam-dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex whse., N.Y.C.	lb.	.09½-	—
Pineneedle, Siberian (See oil, abies siberica).			
Putty, petroleum, heavy, dms	gal.	.13 -	—
tankwagon	gal.	.13½-	—
light, dms	gal.	.16½-	—
tankwagon	gal.	.12½-	—
Rapeseed, tankcars	lb.	.18½ Nom.	
Red, single dist., dms.	lb.	.13½-	.14½
tanks	lb.	.12¼-	—
saponified, dms.	lb.	.12¾-	.13¾
double dist., dms.	lb.	.16 -	.17
tanks	lb.	.14¾-	—
Rose, natural, Bulgarian, coppers	oz.	25.00 -	38.00
Rosemary, Spanish, tech., cns., dms	lb.	.75 -	1.50
USP, cns., dms.	lb.	.75 -	1.60
Rosin, first rectified, dms.	gal.	.66 -	—
2d rectified, dms.	gal.	.68 -	—
3d rectified, dms.	gal.	.78 -	—
Rue, bots.	lb.	3.25 -	5.00
Sage, clary, bots.	lb.	14.80 -	16.00
Dalmatian, cns.	lb.	2.75 -	3.15
Spanish, cns.	lb.	1.05 -	3.50
Sandalwood, NF, cns.	lb.	13.75 -	16.60
Sardine, crude, tanks, Pac. coast	lb.	.07½ Nom.	
refined, alkali, dms.	lb.	.1230-	—
kettle-bodied, dms.	lb.	.1380-	—
light-pressed, dms.	lb.	.1130-	—
tanks	lb.	.0970-	—
Sassafras, artificial	lb.	.40 -	.55
natural, Brazilian (See Oil, ocotea cymbarum),			
domestic, USP, cns., dms.	lb.	1.80 -	2.30
Savin, cns.	lb.	3.00 -	3.25
Savory, cns.	lb.	2.00 -	—
Seal, No. 1, tanks, U. S. ports	lb.	No prices.	



LIKE THE FLAVOR OF A FRESH-CUT LEMON....

When it's *lemon* you want, Exchange is the Oil!

More than 80% of all the lemon oil used in the United States is Exchange Lemon Oil. This overwhelming endorsement by the trade is your assurance that Exchange Lemon Oil delivers *flavor . . . clarity* and *uniformity* not found in any other Lemon Oil.

Always specify it by the brand name when you order — Exchange Oil of Lemon. And to insure your satisfaction, accept no other brand.

Distributed in the United States exclusively by
FRITZSCHE BROTHERS, INC.
76 Ninth Avenue, New York 11, N. Y.

DODGE & OLCOTT, INC.
180 Varick Street, New York 14, N. Y.

Distributors for:
CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
EXCHANGE LEMON PRODUCTS CO., CORONA, CALIF.

Oil, Sesame—Phosphate Rock

Oil, sesame, ref., dms., l.c.l. lb. .41 - —
Shingle stain, bbls., c.l., works gal. .2185- —
l.c.l., works gal. .25 - .29
tanks, works gal. .15 - .16
Snakeroot, Canada, cns. lb. 18.75 -23.50
Soybean, crude, tanks, mills lb. .13 - —
foots, acid, 95%, tanks, dlvd. E. lb. .03¾- —
raw, 50%, tanks, dlvd. E. lb. .01¾- —
refined, alkali, dms., c.l. lb. .1715- —
l.c.l. lb. .1780- .1800
tanks lb. .1595- —
clarified, dms., c.l. lb. .1615- —
l.c.l. lb. .1680- .1700
tanks lb. .1495- —
edible, dms lb. .18 - —
tanks lb. .16 - —
Spearmint, dms. lb. 3.55 - 4.10
Sperm, bleached winter 45° tankcars lb. .1770- —
drums lb. .1870- .1920
natural winter 45°, tankcars lb. .16½- —
drums lb. .17½- .18
Spruce, cns., dms lb. 1.65 - 2.75
Sunflower-seed, limp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, Northern, cns. lb. 6.50 - 7.00
Southern, cns. lb. 1.95 - 3.65
Tall, crude, tanks, works ton. 40.00 - —
refined, dms., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
tanks, works lb. .05 - —
Tallow, acidless, dms. lb. .11½- .12
Tansy, dms. lb. 8.75 - 9.00
Tar, pine, comi., dms., incl., c.l., works, South gal. .41 - .43½
t.c.l., works, South gal. .43 - .45½
whse., N.Y.C. gal. .52¼- .54¾
tanks, works, South gal. .32 - .34½
rectified, NF, l.c.l., dms., incl., works, South gal. .60 - —
Tar acid (see T).
Teaseed, dms. lb. No stocks,
Theobroma (see Cocoa butter).
Thyme, NF, red, cns. lb. 2.05 - 3.35
white, cns. lb. 2.30 - 3.80
technical, white, cns lb. .35 - 1.00
Tung, dom., tanks, mills lb. .22¼ Nom.
imported, dms., c.l. lb. .25¾- —
l.c.l. lb. .26¼- —
tanks lb. .24¼- .24½
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, NF, cns., dms lb. .33 - .55
Vetiver, Bourbon, cns. lb. 11.75 -14.00
Haitian, cns. lb. 11.10 -13.50
Java, cns. lb. 10.40 -15.00
Whale, ref., natural, dms. lb. No stocks.
Winter-bleached, dms. lb. No stocks.
Wheat germ, dms gal. 10.00 -12.50
White mineral, tech., 50-65 vis., dms., c.l., N. Y. gal. .48½- —
l.c.l., same basis gal. .51½- .56½
65-75 vis., dms., same basis, gal. .48½- —
l.c.l., same basis gal. .51½- .56½
USP, 80-90 vis., dms., c.l., same basis gal. .52 - —
l.c.l., same basis gal. .55 - .60
125-135 vis., dms., c.l., same basis gal. .60 - —
l.c.l., same basis gal. .63 - .68
145-155 vis., dms., c.l., same basis gal. .63 - —
l.c.l., same basis gal. .66 - .71
175-185 vis., dms., c.l., same basis gal. .64½- —
l.c.l., same basis gal. .67½- .72½
200-210 vis., dms., c.l., same basis gal. .68 - —
l.c.l., same basis gal. .71 - .76
335-345 vis., dms., c.l., same basis gal. .74 - —
l.c.l., same basis gal. .77 - .82
Wintergreen, nat., Northern, cns. lb. 7.00 -14.50
Southern, cns. lb. 3.65 - 8.50
Wood (see Oil, tung).
Wormseed, NF, cns. lb. 3.50 - 3.75
Wormwood, cns lb. 6.50 - 7.00
Ylang-ylang, Bourbon, bots. lb. 7.00 - 7.50
extra, bots. lb. 10.00 -11.00
Madagascar, bots. lb. 6.25 - 6.75
Olein, crude (see Oil, red).
white, low titre, dms. lb. .16 - .17
tankcars lb. .14¾- —
Oleostearin, bbls. lb. .11½- —
Olivine, aggregate, c.l., mines ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works. ton. 10.00 - —
paper, bgs., c.l., works ton. 12.00 - —
Opium, USP, cns. lb. 19 20 -19.45
gran., USP, cns. lb. 21.65 -21.90
powd., USP, cns. lb. 21.65 -21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.10 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .30¼- —

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Orange, chrome dinitroanilin toner. lb. 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .2110- —
Molybdate lb. .43 - —
Orange, Persian, bbls. lb. .30 - .45
Orange flowers, nls lb. .40 - .45
Orange peel, bitter, Haitian, bls. lb. .13 - .15
Sweet, bls. lb. .13 - .15
Oregano, Mexican, bgs. lb. .11½- .12
Portuguese, bgs. lb. .19 - .20
Sicilian, bgs. lb. .17 - .18
Orris root, Florentine, bls. lb. .20 - .25
powdered, bbls., bxs. lb. .26 - .29
Verona, bls. lb. .16 - .23
powdered, bbls., bxs. lb. .22 - .23
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .31 - —
Orthoamylphenol, dms., l.c.l., works. lb. .42 - —
Orthoanisidin, bbls lb. .80 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb. .60 - —
smaller lots lb. .62 - .67
Orthochloroparanitroanilin, dms., works lb. .65½- .70
Orthochlorophenol, dms., c.l., frt. equald. lb. .27 - —
l.c.l., same basis lb. .28 - —
Orthocresol, pure, 30° C., non-ret., dms., c.l., frt. equald. lb. .1930- .2405
l.c.l., same basis lb. .1960- .2435
ret. dms., c.l., same basis lb. .1900- —
l.c.l., same basis lb. .1930- —
29° C., non-ret., dms., c.l., same basis lb. .1830- .2305
l.c.l., same basis lb. .1860- .2335
ret. dms., c.l., same basis lb. .1800- —
l.c.l., same basis lb. .1830- —

Orthocresol, pure, 25 to 27° C, non-ret. dms., c.l., same basis. lb. .1630- .2080
l.c.l., same basis lb. .1660- .2110
tanks, same basis lb. .1500- .1950
Orthodichlorobenzene, 50-lb. cns. lb. .12½- —
100-lb. cns lb. .11½- —
dms., c.l., works, frt. alld. E. of Rockies lb. .08½- —
l.c.l., same basis lb. .09½- —
tanks, same basis lb. .07 - —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthoisopropyl N-phenylcarbanate (see IPC).
Orthoisopropylphenol, dms., c.l. lb. .29 - —
l.c.l. lb. .30 - —
tanks lb. .28 - —
Orthonitroanilin, dms lb. .50 - .53
Orthonitrochlorobenzene, dms lb. .17 - .18
Orthonitrobiphenyl, tech., dms., c.l., works lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .18 - —
Orthonitroparachlorophenol, cns lb. .75 - —
Orthonitrophenol, dms lb. .66 - .77
Orthonitrotoluene, dms. lb. .12 - —
Orthophenetidin, dms., works lb. .90 - —
Orthotoluidin, dms., c.l., works lb. .19 - —
l.c.l., same basis lb. .20 - —
tanks, same basis lb. .18 - —
Orthotolidin, distilled, kgs lb. 1.10 - —
Osage orange crystals, bbls., l.c.l lb. .33½- —
extract, liquid, bbls., l.c.l lb. .15½- —
Ouabaine, USP, bots gram 3.00 - 4.00
Ox gall, conc., gran., fib. dms., 5 lbs. and up lb. 2.50 - —
Oxyquinolin sulphate, cns., 100 lbs. works lb. 4.50 - 5.00
smaller lots, works lb. 5.05 - 5.15

P

Pancreas substance, assay 1:75 lb. 5.75 - 6.25
Pancreatin, USP lb. 2.50 - 3.00
Panthenol, bots., works, frt. adjust. kilo. 90.00 - —
Papain, powd., NF, cs lb. 2.00 - 3.00
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots oz. 5.00 - —
smaller lots oz. 5.05 - 5.20
Sulphate, cns oz. 7.10 - 7.35
Paprika, Chilean, bgs lb. .22 - .24
Portuguese, bgs lb. .39 - .40
Spanish, bgs lb. .42 - .43
Para-anisidin, dms., works lb. .80 - —
Parachlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., same basis lb. .28 - —
Parachloroanilin, dms., frt. alld. E. Miss lb. .70 - —
Parachloro-orthonitroanilin, dms lb. No stocks.
Paracresol, 98%, dms., works lb. .50 - .65
Paracymene, dms., works, 50 gals. or more gal. 2.50 - —
smaller quantities gal. 3.00 - —
Paradibromobenzene, bgs., 500-lb. lots, works lb. .45 - —
Paradichlorobenzene, dms., c.l., works lb. .11 - —
l.c.l., same basis lb. .12½- .14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb. No prices.
121-123 ASTM, bbls., c.l., ref'y lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0635- —
122-124 ASTM, loose, c.l., ref'y. lb. .0635- —
125-127 ASTM, loose, c.l., ref'y. lb. .0635- —
128-130 ASTM, loose, c.l., ref'y. lb. .0640- —
130-132 ASTM, loose, c.l., ref'y. lb. .0645- —
132-134 ASTM, loose, c.l., ref'y. lb. .0660- —
135-137 ASTM, loose, c.l., ref'y. lb. .0705- —

Paraffin prices in bgs. and ctns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, 95%, dms., 1,000 lbs., works lb. .22 - —
smaller lots, works lb. .23 - —
91-92%, flake, fib. dms., c.l., works. lb. .11 - —
10,000 lbs. or more, works lb. .12 - —
smaller lots, works lb. .13 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works lb. .12½- .13½
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works lb. .11 - —
USP, cbys lb. .51 - .53
Paranitroanilin, kgs., works lb. .44½- —
Paranitrochlorobenzene, kgs., works. lb. .18 - —
Paranitrophenol, kgs., works, frt. equald lb. .40 - —
Paranitrotoluene, kgs., works lb. .39 - —
Paraphenetidin, dms., works lb. .88 - —
Paraphenylphenol, bgs., works lb. .28 - .29
Paraphenylenediamine, crude, kgs., works lb. .77 - —
refined, kgs., safe basis lb. 1.35 - —
Paratertiarybutylphenol, bgs., c.l., frt. equald lb. .21 - —
l.c.l., same basis lb. .22 - —
Parathion tech., dms., c.l., works lb. 2.50 - —
l.c.l., works lb. 2.55 - —
Paratoluenesulphonamide, bbls., works lb. .70 - —
Paratoluidin, bbls., works lb. .55 - —
Paretra brava root, whole, bgs lb. .30 - .31
ground, bxs lb. .35 - .37
powder, bxs lb. .38 - .40
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E lb. .31 - —
l.c.l., same basis lb. .32 - .33
Passion flower herb, bls lb. .20 - .25
Patchouli leaves, bls lb. .40 - .45
Peanut meal, 45%, sacked, mill, ton. 82.00 Nom.
Pectin, citrous, NF, powd., bbls lb. 2.05 - 2.06
tech., powd., bbls lb. 1.42 - 1.43
Penicillin, amorphous, calcium, USP, bulk, 100,000,000 to 25,000,000,000 unit lots 100,000 units. .04 - .05¼
Sodium, USP, unlabeled vials, 100,000 units vl. .09½- —
200,000 units vl. .14 - —
500,000 units vl. .29 - —
1,000,000 units vl. .56 - —
crystalline, potassium, unlabeled vials, 100,000 units vl. .102 - —
200,000 units vl. .151½- —
500,000 units vl. .34 - —
1,000,000 units vl. .67½- —
bulk, 100,000,000 to 25,000,000,000, unit lots 100,000 units. .04½- .05¾
Penicillin, procaine, regular or pulverized, bulk, 100,000,000 to 25,000,000,000 unit lots, 100,000 units. .05¼- .06½
sodium, unlabeled vials, 100,000 units vl. .10¾- —
200,000 units vl. .16 - —
500,000 units vl. .35 - —
1,000,000 units vl. .68½- —
bulk, 100,000,000 to 25,000,000,000 unit lots 100,000 units. .05¼- .06⅛

Pennyroyal leaves, bls lb. .28 - .50
Pentachlorophenol, dms., works lb. .20 - .25
Pentaerythritol, tech., bgs., c.l., works lb. .29 - —
l.c.l., works lb. .31 - .33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3 gal. .10½- .11⅛
Pepper, black, bgs lb. 1.30 - 1.32
afloat, bgs. lb. 1.30 - 1.32
Jan.-Mar., bgs. lb. .94 - .95
Red, Carolina, futures, bgs lb. .40 - .42
Hontaka, bgs. lb. .65 Nom.
Louisiana longs, bgs lb. .18 Nom.
Mombasa chillies, bgs lb. .38 - .39
Niger, capsicum, bgs lb. .38 Nom.
birdseye, bgs. lb. .65 Nom.
White, bgs. lb. 1.78 - 1.80
Peppermint, USP, dom., bls lb. .50 - .65
imported, bls. lb. .80 - .90
Pepsin, NF, bulk containers lb. 3.90 - —
Perchloroethylene, dms., c.l., zone 1, works, frt. alld lb. .11 - —
zone 2, same basis lb. .11½- —
zone 3, same basis lb. .12 - —
zone 4, same basis lb. .12 - —
l.c.l., zone 1, same basis lb. .11¾- —
zone 2, same basis lb. .12¼- —
zone 3, same basis lb. .12¾- —
zone 4, same basis lb. .12¾- —
tanks, zone 1, same basis lb. .10½- —
zone 2, same basis lb. .11 - —
zone 3, same basis lb. .11½- —
zone 4, same basis lb. .11½- —

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.

Peru balsam, dms lb. .85 - 1.00
Petrolatum, USP, amber, dms., c.l., New York lb. .04⅞- —
l.c.l., same basis lb. .05¾- —
Cream, dms., c.l., same basis lb. .06½- —
l.c.l., same basis lb. .08 - —
Extra amber, dms., c.l., same basis lb. .05½- —
l.c.l., same basis lb. .06 - —
White, lily, dms., c.l., same basis lb. .06⅞- —
l.c.l., same basis lb. .08¼- —
snow, dms., c.l., same basis. lb. .07½- —
l.c.l., same basis lb. .08½- —
soft, dms., c.l., same basis lb. .06⅝- —
l.c.l., same basis lb. .07½- —
yellow, soft, dms., c.l., same basis lb. .05 - —
l.c.l., same basis lb. .05½- —
Petroleum, crude, bulk, at wells, California bbl. 1.25 - 2.94
Illinois bbl. 2.46 - 2.88
Kentucky bbl. 2.43 - 2.83
Louisiana-Arkansas bbl. 2.08 - 2.90
Montana bbl. 1.28 - 2.775
Oklahoma-Kansas bbl. 2.23 - 2.65
Pennsylvania, lower field bbl. 3.40 - —
Upper field bbl. 2.70 - 3.40
Texas, East bbl. 2.65 - —
Gulf coast bbl. 2.38 - 2.95
North, North-Central bbl. 2.23 - 2.65
Panhandle bbl. 2.23 - 2.65
West bbl. 2.10 - 2.65
Wyoming bbl. 1.28 - 2.675
Ether, laboratory, 30°-60° C. cns., dlvd. E. gal. 1.50 - —
dms., c.l., group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
90°-160° C, ref. dms., ex tax, f.o.b. San Francisco gal. .57 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. 1.60 - 1.90
light, tanks, refinery bbl. 1.80 - 2.10
Eastern, tanks, Albany, N. Y. bbl. 2.05 - —
Baltimore, Md. bbl. 1.73 - —
Boston, Mass. bbl. 1.78 - —
Charleston, S. C. bbl. 1.68 - —
Jacksonville, Fla bbl. 1.68 - —
New York, N. Y. bbl. 1.73 - 1.75
Norfolk, Va bbl. 1.73 - —
Philadelphia, Pa. bbl. 1.73 - —
Portland, Me bbl. 1.78 - —
Providence, R. I. bbl. 1.755 - —
Savannah, Ga bbl. 1.68 - —
Diesel, tanks, refinery, California gal. .081 - .115
Pennsylvania gal. .0625- .09
Furnace, tanks, refinery, Arkansas, No. 2 gal. .06375- —
No. 3 gal. .06125- —
Bayonne, N. J., No. 2 gal. .081 - —
Group 3, No. 1 gal. .06625- .0775
No. 1, straw gal. .06625- .0775
No. 2, straw gal. .06625- .0875
range gal. .065 - .0875
Pennsylvania, No. 1 gal. .09 - .105
No. 2 gal. .0825- .09
No. 3 gal. .0825- .09
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
255 F, b.r., tanks, ex-tax, Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery gal. .16 - —
Group 3, benzol-type, tanks, refinery gal. .12125- —
toluol-type, tanks, refinery. gal. .11125- .11375
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-362 b.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery gal. .14 - —
Group 3, tanks gal. .09875- .10375
tankwagon, Baltimore gal. .175 - —
Boston gal. .16 - —
Buffalo gal. .165 - —
Camden, N. J. gal. .15 - —
Chicago gal. .197 - —
Detroit gal. .214 - —
Kansas City, Mo gal. .182 - —
Newark gal. .15 - —
New York gal. .15 - —
Philadelphia gal. .14 - —
Pittsburgh gal. .175 - —
Providence gal. .165 - —
Rochester gal. .18 - —
St. Louis gal. .19 - —
Syracuse gal. .19 - —
Washington, D. C. gal. .175 - —

Petroleum, naphtha, cleaners, East Coast, tanks, N. J., N. Y., refinery gal. .14 - —
Group 3, tanks gal. .10675- —
tankwagons, St. Louis gal. .19 - —
Newark gal. .15 - —
Chicago gal. .197 - —
Detroit gal. .214 - —
New York gal. .15 - —
Philadelphia gal. .14 - —
high-flash, 140° F, group 3, refinery, tanks gal. .13 - .145
200-285 b.r., 37-38°C. mixed anilin pt., tanks, refinery gal. .20 - .21⅛
25-26°C, m.a.p., tanks, same basis gal. .21 - .24
270-370 b.r., 78-81°C, m.a.p., tanks, same basis gal. .23½- —
49°C, m.ap., tanks, same basis gal. .26½- —
26-27°C, m.a.p., tanks, same basis gal. .21 - .24⅛
300-400 b.r., 28-32°C, m.a.p., tanks, same basis gal. .21 - .27
340-410 b.r., 27°C, m.a.p., tanks, same basis gal. .30½- —
32°C, m.a.p., tanks, same basis gal. .21 - —
36°C, m.a.p., tanks, same basis gal. .21 - —
340-440 b.r., 32°C, m.a.p., tanks, same basis gal. .25½- .27
360-480 b.r., 25°C, m.a.p., tanks, same basis gal. .21 - —
V.M.&P., ref'y, California, 245-360 b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash. gal. .158 - —
East coast, N. J., N. Y., tanks. gal. .15 - —
Group 3, tanks gal. .10875- .11375
tankwagon, Boston gal. .175 - —
Chicago gal. .207 - —
Detroit gal. .224 - —
Milwaukee gal. .209 - —
Minneapolis gal. .207 - —
Newark gal. .165 - —
New York gal. .165 - —
Philadelphia gal. .165 - —
Pittsburgh gal. .185 - —
St. Louis gal. .20 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .15 - —
Group 3 tanks gal. .10375- .11375
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .195
East coast, N. J., N. Y., tanks gal. .14 - —
Group 3, tanks gal. .10375- .10875
Pennsylvania, western, tanks, gal. .10 - —
tankwagon, Boston gal. .16 - —
Chicago gal. .197 - —
Detroit gal. .214 - —
Milwaukee gal. .199 - —
Minneapolis gal. .197 - —
Newark gal. .15 - —
New York gal. .15 - —
Philadelphia gal. .14 - —
Pittsburgh gal. .175 - —
St. Louis gal. .19 - —
Syracuse gal. .19 - —
Sulphonate, 70% sulphonic content,, ret. dms., c.l., works lb. .1715- —
l.c.l., works lb. .1750- —
tanks, works lb. .1525- —
50% sulphonic content, ret. dms., c.l., works lb. .1365- —
l.c.l., works lb. .1400- —
tanks, works lb. .1175- —
Phenobarbital, USP, dms., 100 lbs. lb. 4.00 - 4.35
Phenobarbital-sodium, USP, dms lb. 4.00 - 4.10
Phenol 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies. lb. .1275- —
l.c.l., same basis lb. .1350- —
tanks, same basis lb. .1100- —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .1275- —
l.c.l., same basis lb. .1350- —
tanks, same basis lb. .1100- —
USP, dms., c.l., same basis lb. .13½- .14¼
l.c.l., same basis lb. .1425- .1500
tanks, same basis lb. .1250- —
Phenolphthalein, USP yellow, bbls., dms., 2,000 lbs. lb. 1.00 - —
smaller lots lb. 1.02 - 1.07
Phenothiazin, NF, fib. dms., 18,000 lbs., works lb. .44 - —
smaller lots, works lb. .46 - —
Phenylacetaldehyde solution, 50%, bots. lb. 2.35 - 2.65
100%, bots lb. 4.00 - 4.75
Phenylacetamide, dms., works, 1,000 lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 30.00 -37.50
Phenyldiethanoamine, dms., c.l., works lb. .35½- —
l.c.l., works lb. .36½- —
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l., same basis lb. .68½- —
Phenylethyl acetate, dms lb. 1.45 - 2.70
Phenylethylphenyl acetate, bots lb. 3.75 - 6.00
Phenylhydrazin base, CP, bots lb. 3.00 - 3.07
Hydrochloride, CP, bots., works. lb. 5.00 - 5.07
commercial, kgs., works lb. 1.75 - —
Phenylmethylpyrazolone, dms., works. lb. 1.58 - 1.60
Phlororglucinol, CP, fib. dms., works lb. 13.75 -15.75
commercial fib. dms., works lb. 4.50 - 7.00
tech., fib., dms., works lb. 10.00 -10.75
Phosgene, 150-lb. cyls., works lb. .20½- —
10-lb. cyls., works lb. 1.50 - —
Phosphate, defluorinated (see under D)
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 3.60 - —
70%-68%, b.p.l., c.l., same basis long ton. 4.00 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.60 - 4.80
75%-74%, b.p.l., c.l., same basis long ton. 5.60 - 5.80
77%-76%, b.p.l., c.l., same basis long ton. 6.60 - 6.80
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum short ton. 4.93 - —
68%, b.p.l., basis 31% P_2O_5 minimum short ton. 5.28 - —
70%, b.p.l., basis 32% P_2O_5 minimum short ton. 5.83 - —

plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

Tennessee, brown, run of mine, unground, 27-28% P_2O_5 long ton. 6.45 - —
30-29% P_2O_5 long ton. 7.21 - —

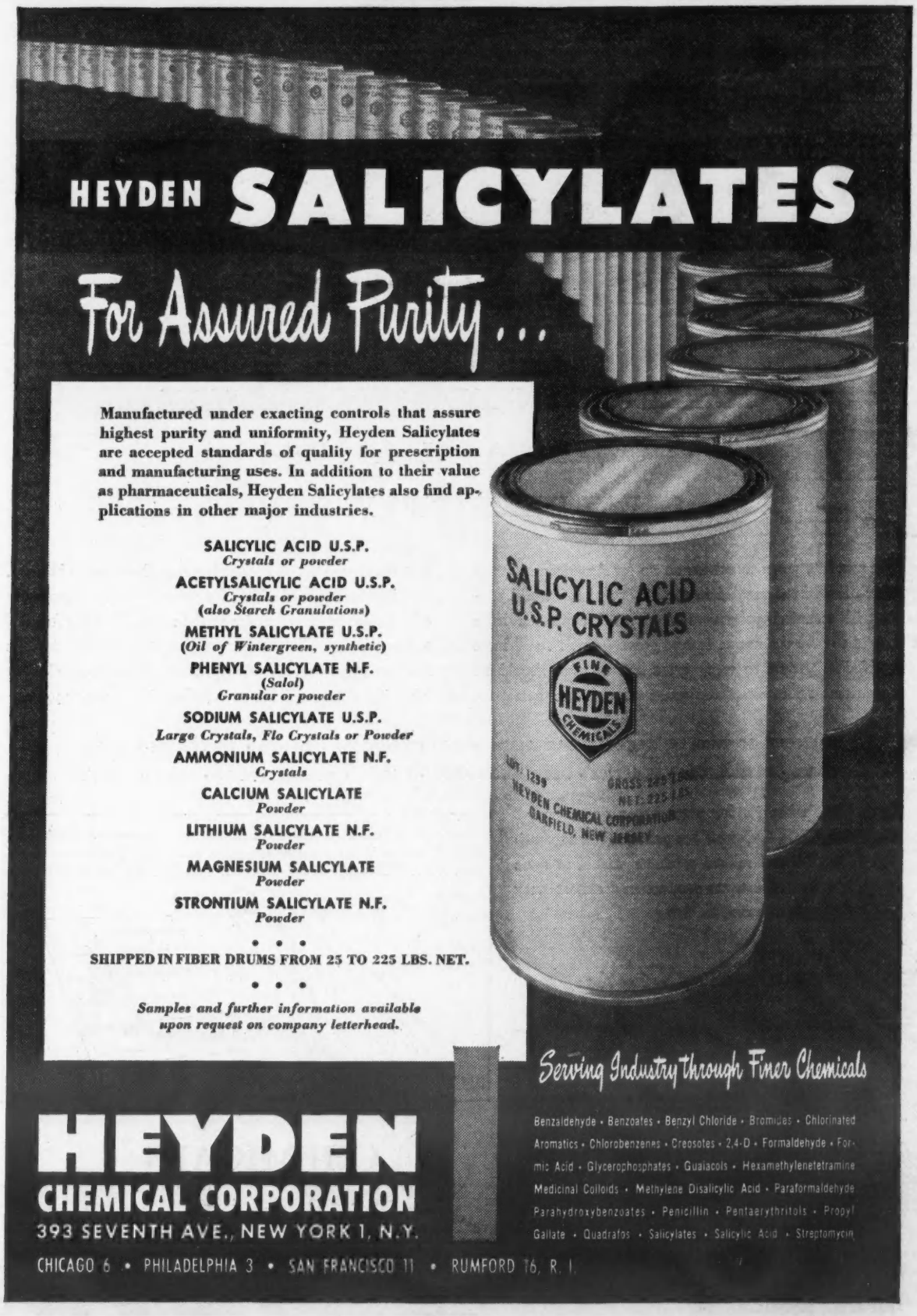
Phosphorus, red, amorphous, cs	lb.	.33	.36
tins, export	lb.	.34	.37
Yellow, cns.	lb.	.30	.37
dms., c.l.	lb.	.26	—
Phosphorus oxychloride, dms., works	lb.	.12	.15
Pentasulphide, dms., c.l., works	lb.	.11	—
l.c.l., dms., works	lb.	.12	.13
Pentoxide, dms., c.l., works	lb.	.12	—
l.c.l., works	lb.	.13	.14
Sesquisulphide, tins, cs., works	lb.	.28	.29
dms., export	lb.	.33½	.36
Trichloride, dms., c.l., works	lb.	.12	.15
l.c.l., works	lb.	.13	.16
Phthalamide, bbls., works	lb.	.35	.40
kgs., works	lb.	.45	.50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald	lb.	.21½	—
l.c.l., same basis	lb.	.22½	—
Phthalic anhydride prices on Pacific Coast same as above.			
Pichi leaves, bgs	lb.	.07	.08
Picoline (see Alphapicoline and Betapicoline).			
Picrotoxin, USP, bots	oz.	8.00	—
Pilocarpine hydrochloride, NF, bots., vials	oz.	6.50	7.50
Nitrate, USP, bots, vials	oz.	6.25	7.25
Pimento, Jamaica, bgs	lb.	.22½	.23
Pinetar, retort, dms., incl., c.l., works, South	lb.	.045	—
l.c.l., same basis	lb.	.0473	—
whse., N.Y.C.	lb.	.0595	—
tanks, works, South	lb.	.035	—
Pinkroot, bls.	lb.	1.70	1.80
Piperidine, 95%, dms., frt. equald.	lb.	1.65	—
98%, dms., same basis	lb.	1.75	—
Piperazine hexahydrate, bots	lb.	8.50	9.00
Pipsissewa herb (see Prince's pine).			
Pitch, coaltar, 150° f. m.p., bbls., c.l., works	ton.	34.00	—
l.c.l., works	ton.	36.00	37.00
Cottonseed, dms., works	lb.	.08	.08½
Hardwood, paper bgs., c.l., works.	lb.	.02	—
Linseed, dms	lb.	No prices.	
Petroleum (see Asphaltum, Mexican, Texas).			
Pine, ums., ex whse. East	100 lbs.	6.90	—
Soybean, dms., works	lb.	.06	.06¼
Plaster of paris (see Gypsum).			
Platinum metal, works	oz.	69.00	72.00
Pokeroot, bls	lb.	.13	.14
Pleurisy roots, bls	lb.	.25	.26
Podophyllin, NF, dms	lb.	12.45	—
Polystyrene, plain colors, dms., 29,920 lbs., frt. alld	lb.	.32	—
20,020 lbs. to 20,920 lbs., same basis	lb.	.32	—
smaller lots, same basis	lb.	.34	—
special colors, dms., 29,920 lbs., same basis	lb.	.32	—
20,020 lbs. to 20,920 lbs., same basis	lb.	.35	—
smaller lots, same basis	lb.	.37	.50
water-clear, dms., 29,920 lbs., same basis	lb.	.26	—
20,020 lbs. to 20,920 lbs., same basis	lb.	.27	—
smaller lots, same basis	lb.	.28	—
Polystyrene in bgs. ½c. per lb. lower.			
Pomegranate root bark, bgs	lb.	.68	.70
Poppy flowers, bls	lb.	.50	.55
Seed, Dutch, bgs	lb.	.18	.18½
Polish, bgs	lb.	.14½	.15
Turkish, bgs., futures	lb.	.13½	.13¾
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works	100 lbs.	9.75	—
l.c.l., works	100 lbs.	10.50	—
liquid, dms., c.l., 45%, works.	100 lbs.	4.525	—
l.c.l., works	100 lbs.	5.025	—
tanks, works	100 lbs.	4.20	—
solid, 90%, dms., c.l., works.	100 lbs.	9.15	—
l.c.l., works	100 lbs.	9.90	—
regular, flake, 88-92% dms., c.l., works	lb.	.0815	—
l.c.l., works	lb.	.089	—
liquid, 45% basis, dms., c.l., works	lb.	.03725	—
l.c.l., same basis	lb.	.0450	—
tanks, same basis	lb.	.0340	—
solid, 88-92%, dms., c.l., works.	lb.	.0755	—
l.c.l. works,	lb.	.0830	—
Potassium abietate	lb.	.08	—
Acetate, USP, dms	lb.	.31	.36
Bicarbonate, USP, gran., dms	lb.	.20	.22
powd., dms	lb.	.22	.24
Bichromate, bgs., c.l., works	lb.	.12¾	—
l.c.l., bgs., works	lb.	.12⅞	.13¾
Potassium bichromate in bbls., ¼c. higher.			
Bitartrate (see Cream of tartar).			
Borate, gran., bbls., c.l., works	ton.	192.00	—
ton lots, works	ton.	245.50	—
less ton lots, works	ton.	250.50	—
Bromate, bbls., 1,000 lbs. or more.	lb.	.48	—
25-200 lbs	lb.	.60	—
Bromide, USP, cryst., gran., bbls., kgs	lb.	.33	.34
Carbonate, tech., calcined, bbls., c.l., works	lb.	.0780	—
l.c.l., same basis	lb.	.0830	—
hydrated, 83-85%, bbls., c.l., works	lb.	.06¼	—
dms., l.c.l., works	lb.	.06¾	—
USP, gran., bbls., dms	lb.	.16½	.18
powd., bbls., dms	lb.	.21	.23
Chromate, tech., bgs	lb.	.25	.29
Chlorate, cryst., kgs., c.l., works	lb.	.08½	—
l.c.l., works	lb.	.09¾	—
powd., dms., kgs., c.l., works	lb.	.09	—
l.c.l., works	lb.	.09¾	—
export, kgs., 1 to 10 tons, ex whse	lb.	.12	—
NF, gran., dms	lb.	.31	.33
Chloride, USP, cryst., dms	lb.	.26	.27
gran., bbls	lb.	.20	.22
powd., bbls	lb.	.29	.32
Citrate, USP, gran., dms	lb.	.37½	.38½
powder, dms.	lb.	.40½	.41½
Cyanide, dms., works	lb.	.52½	.55
Fluoride, dms., works	lb.	.24	—
Glutonate, dms.	lb.	.75	.79
Glycerophosphate, 75% solution, cbys.	lb.	2.03	2.20
Guiacol sulphonate, NF, dms	lb.	1.80	1.85
Hydroxide, tech. (see Potash, caustic).			
USP, pellets, jars	lb.	.33	—
Hypochlorite, liquid, cbys., dms., works	100 lbs.	3.50	—
Hypophosphite, NF, 50-lb. lots, fib. dms	lb.	.90	.93
Iodide, dms.	lb.	2.10	2.13
Manure salt, 22% K_2O, bulk, mines	unit-ton.	.20	—
25% K_2O, bulk, mines	unit-ton.	.21	—
Metabisulphite, gran., bbls	lb.	.21	—
powd., bbls	lb.	.25	—
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M.	unit-ton.	.37½	—
Trona, Cal	unit-ton.	.45½	—
Nitrate (see Saltpeter)			
Oxalate, neutral, tech., fine gran., bbls	lb.	.30	.32
purified, dms.	lb.	.42	.44
Perchlorate, kgs., c.l., works	lb.	.13½	—
dms., l.c.l., works	lb.	.14	.15
Permanganate, tech., dms., works,	lb.	.21¾	.22¾
USP, dms., works	lb.	.23½	.24
ex whse	lb.	.29	—

Potassium persulphate, dms., c.l., works	lb.	.17	—
l.c.l., works	lb.	.21	—
Phosphate, tetrabasic, bbls., works.	lb.	.13	.13½
Prussiate, red, kgs	lb.	.60	.63
yellow, bbls	lb.	.21	—
kegs	lb.	.26	—
Ricinoleate, tech., bbls	lb.	.18	—
Silicate, glass, bgs., c.s., works	ton.	200.00	—
l.c.l.	100 lbs.	15.25	—
Solution, 29° Be, ret. dms., c.l., works	100 lbs.	4.25	—
l.c.l., 5 or more, works.	100 lbs.	5.00	—
1-4, works	100 lbs.	5.50	—
62° Be, net, dms., c.l., works.	100 lbs.	4.75	—
l.c.l., 5 or more, works.	100 lbs.	5.50	—
1-4, works	100 lbs.	6.00	—
40.5° Be, ret. dms., c.l., works.	100 lbs.	5.75	—
l.c.l., 5 or more, works.	100 lbs.	6.50	—
1-4, works	100 lbs.	7.00	—
Silicofluoride, bbls., works	lb.	.07	.08
Sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90%, works	ton.	32.50	—
indust, bulk, works	ton.	36.00	—
NF, cryst., bbls	lb.	.31	.33
gran., dms	lb.	.18½	—
powder, dms	lb.	.17	—
Sulphocyanide, cryst., NF (see Potassium thiocyanate).			
Thiocyanate, cryst., NF, dms	lb.	.70	.78
tech., works	lb.	.45	.50
Titanate, ctns., c.l., works	lb.	.12	—
5 tons, works	lb.	.12¼	—
1 ton or less, works	lb.	.12½	13

Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works	ton.	14.50	—
Potassium-sodium ferricyanide, kgs., works	lb.	.50	.53
Potassium-sodium tartrate (see Rochelle salt).			
Potassium-titanium fluoride, fib. dms., works	lb.	.45	.55
Potassium-titanium oxalate, bbls., kgs	lb.	.65	.70
Potassium-zirconium fluoride, fib. dms., c.l., works	lb.	.50	—
l.c.l., works	lb.	.52½	.55
Prickly ash bark, bls	lb.	.23	.25
Berries, bgs	lb.	.55	.75
Prince's pine herb, bls	lb.	.50	.55
Procaine hydrochloride, USP, cns., 200-lb. lots	lb.	4.25	4.75
smaller lots	lb.	4.40	5.25
Progesterone, USP, 100 gms	gm.	3.75	—
Propane, commercial grade, tanks, group 3	gal.	.02½	—
Propionaldehyde, dms., c.l., works	lb.	.28½	—
l.c.l., works	lb.	.29½	—
tanks, works	lb.	.25	—
Propyl aldehyde (see Propionaldehyde)			
Parahydroxybenzoate, USP, dms	lb.	2.30	2.40
Propylene dichloride, dms., c.l	lb.	.08½	—
l.c.l.	lb.	.09½	—
smaller containers	lb.	.12½	—
tanks	lb.	.07	—
Oxide, dms., c.l., frt. alld. E	lb.	.20½	—
l.c.l., frt. alld. E	lb.	.21½	—
tanks, frt equald. E	lb.	.18½	—

Phosphorus—Pyrethrum Concentrate

Propyleneglycol NF, dms., c.l., frt. alld. E	lb.	.17½	—
l.c.l., same basis	lb.	.18½	—
tanks, same basis	lb.	.16	—
tech., dms., c.l., frt. alld. E	lb.	.16½	—
l.c.l., same basis	lb.	.17½	—
tanks, same basis	lb.	.15	—
Methylether, dms., c.l., frt. equald.	lb.	.18	—
l.c.l., same basis	lb.	.18½	—
tanks, same basis	lb	.16½	—
Propylthiouracil, bots., 50 kilos or more, works	kilo.	55.00	—
smaller lots, works	lb.	55.50	—
Psyllium seed, black, bgs	lb.	.23	.25
blonde, bgs	lb.	.19	.21
husks, bgs	lb.	.45	.55
Pulsatilla herb, bls	lb.	.45	.50
Pumice, dom., grd., course, 0, 1, 1½, 2, 3 bgs., ton lots.	lb.	03⅜	.04
Chicago, bgs., ton lots	lb.	.04½	—
smaller lots	lb.	.03⅞	.04¼
fine, bgs., ton lots	lb.	.03⅜	—
smaller lots	lb.	.03⅞	.04
Italian, silk-screen, fine, bgs., ton lots	lb.	.04	—
coarse, bgs., ton lots	lb.	.05½	—
sun dried, fine, bgs., ton lots	lb.	.03	—
coarse, bgs., ton lots	lb.	.04½	—
Pumice in bbls ½ ½c. per lb. higher			
Pumpkin seed, bgs	lb.	.18	.26
Purple lake (see Red)			
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works	lb.	10.00	11.00


HEYDEN SALICYLATES
For Assured Purity...
Manufactured under exacting controls that assure highest purity and uniformity, Heyden Salicylates are accepted standards of quality for prescription and manufacturing uses. In addition to their value as pharmaceuticals, Heyden Salicylates also find applications in other major industries.
SALICYLIC ACID U.S.P.
Crystals or powder
ACETYLSALICYLIC ACID U.S.P.
Crystals or powder
(also Starch Granulations)
METHYL SALICYLATE U.S.P.
(Oil of Wintergreen, synthetic)
PHENYL SALICYLATE N.F.
(Salol)
Granular or powder
SODIUM SALICYLATE U.S.P.
Large Crystals, Flo Crystals or Powder
AMMONIUM SALICYLATE N.F.
Crystals
CALCIUM SALICYLATE
Powder
LITHIUM SALICYLATE N.F.
Powder
MAGNESIUM SALICYLATE
Powder
STRONTIUM SALICYLATE N.F.
Powder
SHIPPED IN FIBER DRUMS FROM 25 TO 225 LBS. NET.
Samples and further information available upon request on company letterhead.
SALICYLIC ACID U.S.P. CRYSTALS
FINE HEYDEN CHEMICALS
HEYDEN CHEMICAL CORPORATION
GARFIELD, NEW JERSEY
HEYDEN
CHEMICAL CORPORATION
393 SEVENTH AVE., NEW YORK 1, N.Y.
CHICAGO 6 • PHILADELPHIA 3 • SAN FRANCISCO 11 • RUMFORD 16, R. I.
Serving Industry through Finer Chemicals
Benzaldehyde • Benzoates • Benzyl Chloride • Bromides • Chlorinated Aromatics • Chlorobenzenes • Creosotes • 2,4-D • Formaldehyde • Formic Acid • Glycerophosphates • Guaiacols • Hexamethylenetetramine Medicinal Colloids • Methylene Disalicylic Acid • Paraformaldehyde Parahydroxybenzoates • Penicillin • Pentaerythritols • Propyl Gallate • Quadrafos • Salicylates • Salicylic Acid • Streptomycin

Pyrethrum Concentrate—Saltpeter

Pyrethrum concentrate, liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works gal. 7.50 - 8.50
regular base, dms., works, gal. 7.40 - 8.40
(60 to 1) base 3 grams pyrethrins, per 100cc., odorless base, bbls., works gal.11.10 -12.60
regular base, dms., works, gal.11.00 -12.50
Flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .33 - .37
powder, 1.3% pyrethrins, bbls., works lb. .46 - .52
Pyridin, denaturing, dms., works and frt. equald., c.l. gal. 2.00 - 2.69
l.c.l. gal. 2.00 - 2.72
refd., 2° non-ret. dms., c.l., same basis lb. .79 - .79½
l.c.l., same basis lb. .80 - —
ret. dms., c.l., same basis lb. .79 - —
l.c.l., same basis lb. .79½- —
Pyridoxin hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. Atl ports. long-ton 8.00 - —
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton.11.00 -11.50
230 mesh bulk, c.l., mines ton.12.00 - —
325 mesh, bulk, c.l., mines ton.15.00 - —
No. 3, 200 mesh bulk, c.l., mines, ton 9.50 - —
insecticide grade, 200 mesh, bulk, c.l., mines ton 9.00 -10.00
Pyrophyllite, rubber grade, 140 mesh, bulk, c.l., mines ton. 7.00 - —
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.

Pyroxylin scrap, opaque, amber, cs., works lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .14 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works lb. .17 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs., works, lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .15 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works lb. .17 - —
USP, bots., dlvd. lb. 9.54 - —

Q

Quassia chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., duty extra lb. .17½ Nom.
liq., 35% tannin, bbls., works, lb. .09 - —
tanks, same basis lb. .08¼- —
solid, 64% tannin, bgs., c.l., duty extra lb. .11½- —
powd., 70% tannin, bgs., c.l., same basis lb. .18 Nom.
ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis lb. .10¾- —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .14 - .15
Quercitron crystals, bbls., l.c.l. lb. .33½- —
Extract, liquid, bbls., l.c.l. lb. .14½- —
solid, bxs. lb. .28 - —
Quicksilver, flasks (76 lbs.) net, 100 flask lots flask.75.00 - —
smaller lots lb.78.00 -82.00
Quince seed, bgs lb. .90 - 1.50
Quinindine, NF, V, cryst., cns. oz. 2.10 - —
powd., precip., cns oz. 2.05 - —
Sulphate, USP, cns oz. 1.35 - —
Quinine, NF, cns., 100 ozs oz. 1.00 - —
Bisulphate, USP, cns., 100 ozs. oz. .73 - —
Dihydrochloride, USP oz. 1.00 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. 1.07 - —
Hydrobromide, NF, cns., 50-oz. cns. oz. .91 - —
Hydrochloride, USP, cns., 100 ozs. lb. .91 - —
Hypophosphite, cns., 100 ozs. oz. 1.35 - —
Phosphate, NF, cns., 100 ozs. oz. 1.10 - —
Salicylate, NF, cns., 100 ozs. oz. .95 - —
Sulphate, USP, cns., 100 ozs. oz. .80¼- —
Quinine-urea hydrochloride, NF, cns. oz. .97 - —
Quinolin, dms., c.l., works lb. .50¾- .54½
l.c.l., same basis lb. .51¼- .55
tanks lb. .50 - .51

R

R salt, paste, dry basis, dms. lb. .70 - .75
Raspberries, dried, bbls. lb. 1.90 - 2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.45 - 2.25
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.5c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Red cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies lb. 1.35 - —
light shade, bbls., same basis, lb. 1.20 - —
maroon, bbls., same basis lb. 1.45 - 1.55
medium shade, bbls., same basis lb. 1.30 - —
medium-light shade, bbls., same basis lb. 1.25 - —
orange red, bbls., same basis lb. 1.15 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. .135 - —
Indian, dom., pure, ogs., Bethlehem, Easton, E. St. Louis, N. Y. lb. .11¼- .11¾
Iron oxide, synth., bgs. lb. .11½- .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J lb. .05¼- .09¼
special, high color, all shades lb. 1.00 - —
Lake C toner alizarin, bbls., works, lb. 1.05 - —
Lithol toner, bbls., works lb. .80 - —
Lithol-rubin toner, alizarin, lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner, bbls., works lb. 1.35 - 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb. 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNPT toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb. 2.02 - —
Metallic, bbls., works lb. .02½- .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. .06¾- .07
Para toner, bbls lb. .85 - .88
chlorinated, kgs lb. .95 - 1.05
concentrated alizarin lake, kgs., works lb. .80 - —
Phloxin toner (see eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 - —
Pink lake, alizarin, bbls., works, lb. .20 - .25
Purple lake, kgs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 - .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½- .05¾
l.c.l., ex dock lb. .05¾- .06
ex whse., New York lb. .06½- —
grade 2, bbls., c.l., ex dock lb. .05¼- .05¼
l.c.l., ex dock lb. .05½- .05¾
ex whse., New York lb. .06¼- —
Toluidin toner (MNPT), kgs., works lb. 1.35 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, lower, ogs., works lb. .0350- —
20%, bgs., works lb. .0360- —
25%, bgs., works lb. .0410- —
30%, bgs., works lb. .0440- —
35%, bgs., works lb. .0465- —
40%, bgs., works lb. .0490- —
Red, vermilion, Amer., bbls lb. .32 - —
Quicksilver, ctns lb. 2.27 - —
Red Precipitate, NF, powd., fib. dms lb. 2.17 2.19
Red saunders wood, powd., bbls lb. .50 - —
Rennin, NF lb. 6.50 - —
Resorcinol, tech., dms., works lb. .75 - —
USP, cryst., dms., works lb. 1.80 - —
powd., dms., works lb. 2.00 - —
Monoacetate, NF, dms lb. 3.25 - 3.45
Rhatany root, bgs lb. .09 - .12
Rhubarb root, whole, cs lb. .85 - 1.05
powd., bbls. lb. .90 - 1.25
Riboflavin, USP, bots kilo.125.00 - —
Readily soluble, bots kilo.175.00 - —
Rice bran concentrate, dms., Cedartown, Ga. lb. .79 - —
Rochelle salt, USP, gran., powd., bbls., 5,000 lbs lb. .28½- —
smaller lots lb. .29 - .30
Rose flowers, pale, bls lb. .20 - .24
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls lb. .12 - .17
Portuguese, bls lb. .06 - .06¼
Spanish, bls lb. .08 - .08¼
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 4.25 - —
FF, dms., c.l., works 100 lbs. 5.50 - —
G, H, I, dms., c.l., works 100 lbs. 6.63 - —
K, dms., c.l., works 100 lbs. 6.63 - —
M, dms., c.l., works 100 lbs. 6.63 - —
N, dms., c.l., works 100 lbs. 6.63 - —
WG, dms., c.l., works 100 lbs. 6.63 - —
WW, dms., c.l., works 100 lbs. 6.63 - —
X, dms., c.l., works 100 lbs. 6.73 - —
Rotenone, CP, bbls., works lb.20.00 - —
tech., works lb.16.50 - —
Rottenstone, bgs., c.l., mines ton.36.00 - —
l.c.l., mines ton.43.00 - —
Rue herb, bls lb. .35 - .40
Rutin, 10 kilos, fib. dms gram. .07½- .12
5 kilos, fib. dms gram. .07½- .13
smaller lots, fib. dms gram. .08 - .13¼

S

Sabadilla seed, powd., bbls lb. .45 - .50
activated ground with lime, bbls lb. .26 - .27
Saccharin, USP, gran., soluble, 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.60 - 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots lb. 1.55 - —
smaller lots lb. 1.65 - 1.85
Safflower, Egyptian, bls lb. .80 - .85
Saffron, Mexican, bls lb. .95 - 1.00
Spanish, USP, tins lb.17.00 -18.00
Safrol, dms lb. .68 .75
Sage, Cyprus, bls lb. .08 - .09
Dalmatian, bls. lb. .27½- .28
Greek, fancy, bls lb. .13½- .14
Spanish, bls lb. .13½- .14
Syrian, bgs lb. .21 Nom.
Sago flour, bgs lb. .0635- .0650
Saligenin, ctns., works lb.14.00 -25.00
Salol, NF, gran., bbls., kgs lb. 1.00 - —
fib. dms lb. 1.02 - 1.03
powdered salol, 10c. higher.
Salt, rock, burlap bgs., c.l. 100 lbs. .98 - —
l.c.l. 100 lbs. 1.19 - 1.22
paper bgs., c.l. 100 lbs. .88 - —
l.c.l. 100 lbs. 1.09 - 1.12
Salt, table, vacuum, common, fine, bgs., works, c.l. 100 lbs. .88 - 1.08
l.c.l., bgs. dlvd. 100 lbs. 1.20 - 1.32
USP, dms lb. .21 - —
Saltcake, dom., bulk, dlvd ton.22.00 -24.00
Saltpeter, cryst., bbls., 10 tons, 100 lbs.13.90 - —
smaller lots 100 lbs.14.15 -14.40
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs.10.50 -11.00
powd., bbls., 20 tons 100 lbs.10.25 - —
smaller lots 100 lbs.11.50 -12.00
NF, gran., dms lb. 15¾- .17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.

MARKING ITS GOLDEN ANNIVERSARY,
COLUMBIA SALUTES THE
GREAT INDUSTRIES IT SERVES

The past fifty years constitute an era for American industry which is without parallel in the history of the world. Industrial technical progress and physical expansion have helped to save the nation in two great wars . . . and have enabled its people to enjoy great benefits that should be a constant reminder of the value of the free enterprise system through which these advantages have been obtained.

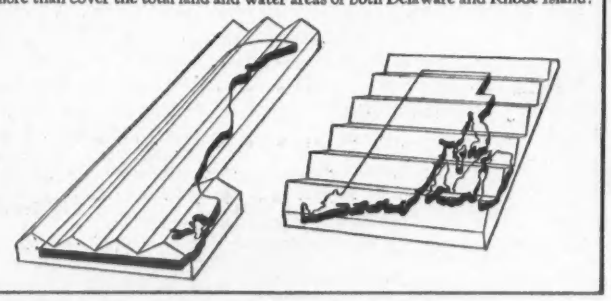
Columbia is proud of its fifty years of service to so many of the great basic industries of the nation. It looks forward to keeping pace with the new progress which these industries are now beginning. Pittsburgh Plate Glass Co., Columbia Chemical Division, Fifth at Bellefield, Pittsburgh 13, Pa.

MILLIONS OF TONS OF ALKALIES FOR ALUMINUM • CHEMICALS • DRUGS • EXPLOSIVES • FOODS • GLASS • PETROLEUM • PLASTICS • PULP AND PAPER • RAYON • RUBBER • SOAP • STEEL • TEXTILES

Since 1899, when its first plant began operations at Barberton, Ohio, Columbia has produced vast quantities of alkalies and related products which, at some stage, have entered into the production of almost every product essential to modern living.

50 Years of Service to the Nation's Basic Industries

Greenhouses for Delaware and Rhode Island! Columbia's production of Soda Ash alone, if used solely in the making of window glass, would produce enough to more than cover the total land and water areas of both Delaware and Rhode Island!



COLUMBIA CHEMICALS

CHICAGO BOSTON ST. LOUIS PITTSBURGH
NEW YORK CINCINNATI CLEVELAND PHILADELPHIA
MINNEAPOLIS CHARLOTTE SAN FRANCISCO

PAINT • GLASS • CHEMICALS • BRUSHES • PLASTICS

PITTSBURGH PLATE GLASS COMPANY

Sanguinarine nitrate, bots.....oz. 4.75 - 5.50
Santonin, NF, cryst., powd., cns.kilo. No stocks.
Saponin No. 1, cns.....lb. 2.45 - —
Sarsaparilla root, dom., bls.....lb. .30 - .40
Honduras, bls.....lb. .40 - .45
Mexican, bls.....lb. .24 - .30
Sassafras bark, ord., bls.....lb. .35 - .40
select, bls.....lb. .50 - .55
Savory, French, bls.....lb. .17 - .18
Spanish, bls.....lb. .14 - .14½
Saw palmetto berries, bgs.....lb. .23 - .24
Scammony resin, lump, cns.....lb. 2.10 - 2.25
powd., cns.....lb. 2.20 - 2.30
Root, bgs.....lb. .11 - .13
Schaeffer's salt, bgs.....lb .60 - .67
Scopolamine hydrobromide, bots oz.20.50 -24.50
Hydrochloride, bots.....oz. 84.00 - —
Seidlitz mixture, bbls., 5,000 lbs.....lb. .25¾- —
smaller lots.....lb. .26¼- —
dms., 100 lbs. or less.....lb. .27¼- .31¼
Selenium, powd., cns., 10-lb. lots.....lb. 2.10 - —
cs., 1,000-lb lots.....lb. 2.00 - —
Senega root, bls.....lb. 1.20 - 1.30
Senna leaf, Alex., half-leaf, bls.....lb. .22 - .24
sifting, bgs.....lb. .19 - .21
Tinnevelly, No. 1, bls.....lb. .17 - .24
No. 2, bls.....lb. .14 - .19
No. 3, bls.....lb. .11 - .14
Pods, bls.....lb. .12 - .15
powdered, bls., bxs.....lb. .16 - .22
Serpentaria root, bls.....lb. 2.20 - 2.30
Sesame seed, Brazil, bgs., afloat.....lb. .16½- .17
Chinese, white, nat., bgs.....lb. .12 - .13
hulled, bgs.....lb. .18 - .19
Nicaragua, hulled.....lb. .23 - .24
Salvadorean.....lb. .13 - .13½
Turkish, yellow.....lb. .14½- .15
Shellac, bleached, conedry, bgs., 1,500-lb. lots.....lb. .61½- —
bbls., 1,500-lb. lots.....lb. .62 - —
kgs., 1,500-lb. lots.....lb. .64 - —
refined, bgs., 1,000-lb. lots.....lb. .71½- —
bbls., 1,500-lb. lots.....lb. .72 - —
kgs., 1,500-lb. lots.....lb. .74 - —

boneary shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

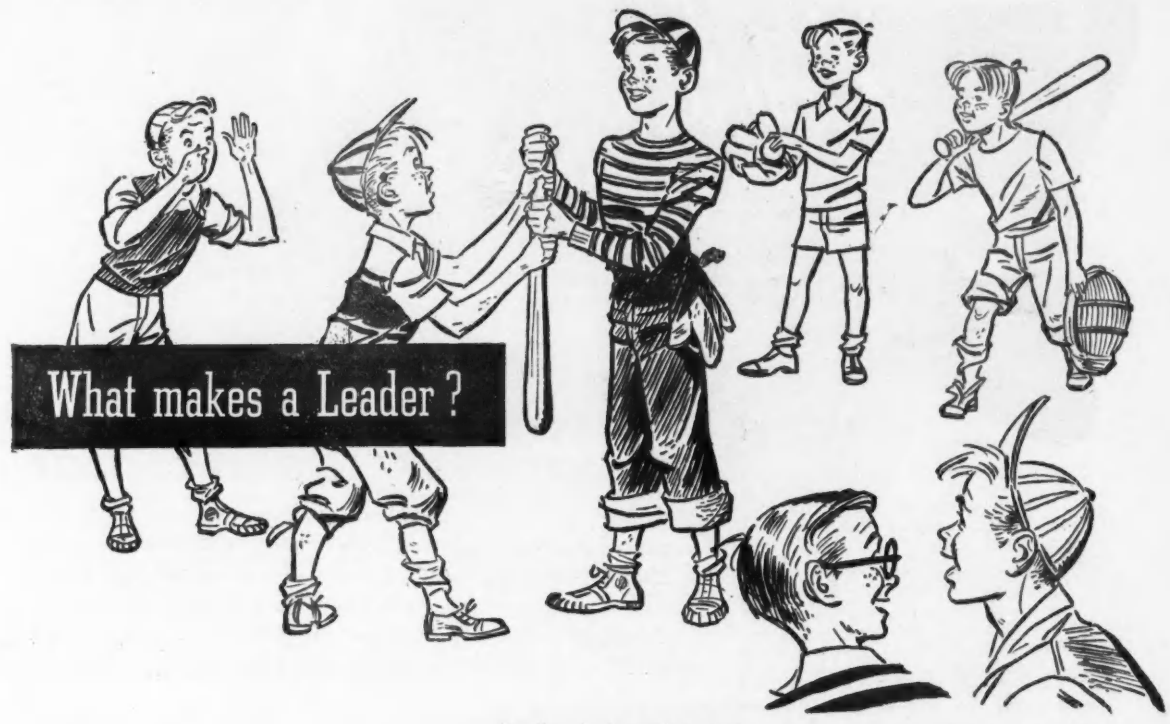
Lemon, No. 1, bgs.....lb. .68 - .69
No. 2, bgs.....lb. .66 - .68
Superfine, bgs., 10 bgs.....lb. .62 - .63
TN, bgs., 10 bgs.....lb. .60 - .61
Shellac in 1 to 9 bgs., 1c. more.

Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works ton.20.00 -30.00
l.c.l., works.....ton.25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton.20.00 - —
l.c.l., works.....ton.25.00 - —
99½%, 140 mesh, bgs., c.l., works ton.12.00 - —
l.c.l., works.....ton.17.00 - —
Tetrachloride, tech., dms., c.l., works lb. .14½- —
l.c.l., works.....lb .18½- .20½
Silver bullion, ingots, cs.....oz. .73 - —
Cyanide, fib. dms., 2,2500-oz. lots. oz. .66⅝- —
1,000-oz. lots.....oz. .66⅞- —
500-oz. lots.....oz. .67⅛- —
100-oz. lots.....oz. .67⅜- —
Nitrate, CP, cryst., bots., 2,500-oz. lots..oz. .46⅜- —
1,000-oz. lots.....oz. .47⅛- —
500-oz. lots.....oz. .48⅛- —
250-oz. lots.....oz. .48⅜- —

USP granular silver nitrate, 2c. per oz. higher.

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, NF, bots., dms., 1,000-oz. lots..oz. .90 - —
Simaruba bark, bls.....lb. .85 Nom.
Skullcap herb, Eastern, bls.....lb. .60 - .65
Western, bls.....lb. .30 - .35
Skunk cabbage root, bls.....lb. .30 - .35
Slate flour, bgs., c.l., works....ton.11.00 -12.00
l.c.l., ex whse.....ton.20.00 -60.00
Sloe berries, bgs.....lb. .33 - .40
Smalt, black, cns.....lb. .11 - —
Blue, cns.....lb. .16 - —
Snakeroot, Canada, bls.....lb. .40 - .45
Soapbark, bls.....lb. .17 - .18
crushed, bls., bbls.....lb. .20 - .21
cut, foreign, bbls.....lb. .21 - .22
powd., bbls.....lb. .23 - .24
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.50 - —
l.c.l., stock points....100 lbs. 2.75 - 4.52
bbls., c.l., works.....100 lbs. 2.00 - —
l.c.l., stock points....100 lbs. 3.25 - 5.02
bulk, c.l., works.....100 lbs. 1.25 - —
light, 58%, paper bgs., c.l., works..100 lbs. 1.40 - —
l.c.l., stock points....100 lbs. 2.65 - 4.42
bbls., c.l., works.....100 lbs. 1.50 - —
l.c.l., stock points....100 lbs. 3.15 - 4.92
bulk, c.l., works.....100 lbs. 1.15 - —
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.45 - —
l.c.l., stock points....100 lbs. 4.30 - 6.67
liquid, 50%, sellers' tanks, works, dry basis..100 lbs. 2.40 - —
rayon-type, tanks, works, dry basis.....100 lbs. 2.40 - 2.50
70%, sellers' tanks, works, dry basis..100 lbs. 2.50 - —
rayon-type, tanks, works, dry basis..100 lbs. 2.60 - —
solid, 76%, dms., c.l., works.....100 lbs. 3.05 - —
l.c.l., stock points....100 lbs. 4.40 - 6.27
Sal, bgs., c.l., ex car.....100 lbs. 1.55 - —
l.c.l., bgs., ex whse....100 lbs. 1.75 - —
Soda-lime, USP, dms.....lb. .23 - .25
Sodium acetate, anhyd., dms., works lb. .10 - .11½
NF, cryst., bbls., works.....lb. 08 - .09
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb. .46 - —
NF, white, powd., dms., works, ton lots lb. 1.25 - —
smaller lots.....lb. 1 30 - 1.65
Aluminate, 20,000 lbs., or more bgs..100 lbs. 8.50 - —
under 20,000 lbs., works.100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E. lb. .31 - —
l.c.l., dlvd.....lb. .32 - —
Arsenate, dealers, dms., c.l., works. lb. .12 - —
Arsenite, dealers, dms., works lb. .13¼- .14¼
solution, dms., works.....gal. .70 - 1.00
l.c.l., works.....lb. .11¾- .11⅞
Benzoate, tech., bbls., dms., 100 lbs. or more..lb. .39 - —
USP, bbls., dms., 100 lbs. or more..lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.35 - —
l.c.l., works.....100 lbs. 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l. works 100 lbs. 2.60 - —
Bichromate, bgs., c.l., works... lb. .10 - —
l.c.l., works.....lb. .10½- .10⅝
Sodium bichromate, in bbls., ¼c. higher.
Biluoride, bbls., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis.....lb. .13½- —
Bisulphate, bulk, c.l., works.. 100 lbs. 1.75 - —
dms., c.l., works.....100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.90 - —
Bisulphite, powd., bags, c.l., works..100 lbs. 3.75 - —
l.c.l., works.....100 lbs. 4.00 - —
solut. 35°, bbls., c.l., works.. 100 lbs. 1.10 - —
l.c.l., works.....100 lbs 1.50 - —

Sodium borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .33 - .34
Cacodylate, NF, bots., dms....lb. 7.15 - 8.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
USP monohydrate, dms.....lb. .05¾- .06⅛
Chlorate, cryst., dms., c.l., works. lb. .07½- —
l.c.l., works.....lb. .07¾- .08¼
powd., kgs., works.....lb. .09 - —
Chloride (see Salt).
Chlorite, tech., dms., works...lb. .75 - —
Chloroacetate, tech., dms., c.l., works..lb. .20 - —
l.c.l., dms., works.....lb. .21 - .22
Chromate, bbls., dms., c.l., works. lb. .11⅝- —
Citrate, USP VIII, bbls.....lb. .21½- —
dms.....lb. .22½- .26⅛
USP XIII, gran., bbls.....lb. .28 - —
dms.....lb. .29 - .33
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., ton lots, works lb. .75 - —
smaller lots, works.....lb. .85 - —
Cyanide, 96-98%, dms.....lb. .16 - .18
Diacetate, 33-35% acidity, bbls., works..lb. .11½- .12¼
anhydrous, dms., works.....lb. .14 - .15½
Fluoride, white, 98%, bbls., c.l., works..lb. .10½- —
l.c.l., works.....lb. .10¾- —
95%, bbls., c.l., works.....lb. .10¾- —
l.c.l., works.....lb. .11 - —
Fluoroacetate, monobasic, 8-oz. tins, 50 to a case, works. lb.12.00 - —
2 to 25 tins to case, works lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works..lb.16.50 -21.00
tribasic, tons.....lb.11.00 - —
Formate, bgs., c.l., dlvd..100 lbs. 7.10 - —
l.c.l.....100 lbs. 8.15 - —
Gluconate, dms.....lb. .83 - .85
Glutamate, monobasic, kgs....lb. 1.55 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls.....lb. 1.70 - 1.85
solution, 75%, cbys.....lb. 1.00 - 1.15
50%, cbys.....lb .82 - —
Hydrosulphide (see Sodium, sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt. alld.....lb. .21½- .22
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms.....lb. .23 - —
Hypophosphite, NF, 50-lb. lots, dms lb. .85 - .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald. 100 lbs. 3.50 - —
l.c.l., same basis.....100 lbs. 3.90 - —
pea cryst., bgs., metro area.. 100 lbs. 3.75 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars lb. 2.72 - 2.83
Lactate, edible, 50%, dms., c.l., works..lb. .18 - —
l.c.l., dms., works....lb. .18¾- —
tech., 50%, dms., c.l., works..lb. .12½- .15
l.c.l., dms., works..lb. .13 - .15¼
Metaborate, octa-hydrate, gran., bgs., c.l., works..ton.73.00 - —
l.c.l., works.....ton.118.00 -123.00
tetrahydrate, c.l., bbls., works. ton.184.50 - —
Sodium metaborate in bbls., $20 per ton higher.
Metal, dms., works.....lb. .18½- —
Metanilate, bgs.....lb. .57 - —
Metasilicate, anhyd., bbls., c.l., works..100 lbs. 4.25 - —
gran., bgs., c.l., works 100 lbs. 3.25 - —
l.c.l.....100 lbs. 4.35 - 4.60
bbls., c.l., works 100 lbs. 3.65 - —
l.c.l. 100 lbs. 4.75 - 5.00
Molybdate, anhyd., works lb. .51½- .62
Monohydrate, bgs., c.l., works. 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .60 - .65
Nitrate, crude, dom., bgs., c.l., works..ton.48.50 - —
bulk, c.l., works lb.45.00 - —
imp., 100-lb. bgs., c.l., A.I. Gulf, Pac.whse..ton.54.50 - —
bulk, c.l., same basis...ton.51.00 - —
USP, dms.....lb. .21 - —
Nitrite, 90%, bbls., c.l., works, frt. equald lb. .06¾- —
West coast ports 100 lbs. 8.00 - 8.05
l.c.l., dlvd 100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works..100 lbs. 5.25 - —
l.c.l., same basis 100 lbs. 5.55 - 7.10
hydrated, flake, bbls., c.l., works. 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works.....lb. .09½- —
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald. lb. .21½- —
l.c.l., same basis.....lb. .22½- .24½
pellets, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - .26
powd., bgs., c.l., same basis..lb. .20 - —
l.c.l., same basis.....lb. .21 - .24
Perborate, USP, tech., bbls., c.l., works..lb. .18¾- —
l.c.l., works.....lb. .19¼- —



"Leaders don't just happen. In most cases, it is the combination of skill, performance and facilities that add up to make one "the leader."

The unsurpassed quality and uniformity of Solvay products are backed by:

- the facilities of five strategically located plants
- the long experience and production skill of the men who run these plants
- a progressive research organization working with the finest in laboratory equipment
- Solvay's "Industry-Wise" Technical Service which serves you with an intimate knowledge of your industry, and offers expert advice on the use, handling, and storing of alkalies
- prompt and convenient delivery from more than two hundred local stock points covering the entire country

This combination of services, offered by America's first and largest manufacturer of alkalies and associated chemicals, clearly establishes Solvay as the leading producer in the field.

SOLVAY

Soda Ash • Caustic Soda • Caustic Potash
Chlorine • Potassium Carbonate • Calcium Chloride
Nytron • Sodium Bicarbonate • Specialty Cleansers
Ammonium Bicarbonate • Sodium Nitrite • Para-dichlorobenzene
Ortho-dichlorobenzene • Monochlorobenzene • Methanol
Ammonium Chloride • Formaldehyde

SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

Sodium Peroxide—Sulphur Dioxide

Sodium peroxide, dms., c.l., dlvd. E. of Miss. lb. .18 - —
l.c.l., same basis lb. .18½- .19
Phenolsulphonate, USP IX, gran., dms. lb. .33 - .34
powd., dms. lb. .36 - .37
Phosphate, dibasic, anhyd., cgs., c.l., works 100 lbs. 6.75 - 7.00
l.c.l., works 100 lbs. 7.25 - 7.50
cryst., cgs., c.l., works 100 lbs. 3.35 - 3.60
l.c.l., works 100 lbs. 3.75 - 4.00
USP, dried, powd., dms., works lb. .20 - .20¼
monobasic, anhyd., bgs., c.l., works 100 lbs. 10.00 - —
l.c.l., works 100 lbs. 12.85 - —
tribasic, anhyd., bgs., c.l., works, frt. equald. 100 lbs. No stocks
l.c.l., same basis 100 lbs. No stocks.
cryst., bgs., c.l., works, frt. equald. 100 lbs. 3.75 - —
l.c.l., same basis 100 lbs. 4.25 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic).
Prussiate, yellow, bgs lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald. 100 lbs. 10.00 - —
ferric, dms., 1,500 lbs., works, lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald. 100 lbs. 6.90 - —
l.c.l., frt. equald. 100 lbs. 7.40 - —
Ricinoleate, tech., bbls. No stocks.
Salicylate, USP, cms. lb. .57 - .60
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.95 - —
bbls., c.l., works 100 lbs. 2.45 - —
Sesquicarbonate, l.c.l., bgs., dlvd. zone 1 100 lbs. 3.70 - 4.10
zone 2 100 lbs. 3.96 - 4.36
zone 3 100 lbs. 4.25 - 4.65
zone 4 100 lbs. 4.96 - 5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones: Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Sesquisilicate, bbls., c.l., works 100 lbs. 4.15 - —
l.c.l. dlvd 100 lbs. 5.40 - 5.65
Silicate, 40°, turb'd., dms., c.l., works 100 lbs. 1.00 - —
l.c.l., works 100 lbs. 1.25 - 1.35
tanks, works ton. 16.00 - 17.00
Silicate, 52° turbid, dms., c.l., works 100 lbs. 1.80 - —
l.c.l., works 100 lbs. 2.05 - 2.15
tanks, works ton. 32.00 - —
Silicofluoride, bbls., c.l., works lb. .04 - —
l.c.l., works lb. .04½- —
Stannate, dms., works, frt. alld. E. lb. .58 - .633
Stearate, tech., bbls., works lb. .40 - —
USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works lb. .22 - —
Sodium sulphate, NF VII, dried, gran., dms. lb. .20 - .20½
tech., anhyd., bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls. lb. .15 - .15½
Sulphide, flake, bbls., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., same basis 100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald 100 lbs. 4.00 - —
l.c.l., same basis 100 lbs. 4.50 - 4.75
Sulphite, anhyd., tech., powd. bbls., c.l., frt. equald 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 - 3.75
crystals, bgs., c.l., works 100 lbs. 3.60 - —
l.c.l., works 100 lbs. 4.00 - —
bbls., c.l., works 100 lbs. 4.00 - —
l.c.l., works 100 lbs. 4.40 - —
powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 7.00 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l. lb. .05¾- —
l.c.l., works lb. .06¼- —
liquid, 45%, basis 100%, tanks, works ton. 95.00 - —
Thiocyanate, CP, dms. lb. .55 - .65
tech., dms., works lb. .50 - —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls. lb. .10 - .12
Sodium titanate, ctns., c.l., works lb. .10 - —
lb. .10 - —
5 tons, works lb. .10¼- —
1 ton or less, works lb. .10½- .13½
Tripolyphosphate, bgs., c.l., works, 100 lbs. 7.25 - —
l.c.l. 100 lbs. 7.65 - —
Tungstate, tech., kgs., works lb. 1.20 - 1.25

Cowles CHEMICALS

DRYMET*

THE ECONOMICAL DETERGENT SILICATE

Cowles DRYMET, anhydrous sodium metasilicate, is the most highly concentrated form of sodium metasilicate available. It is more economical to use, on the basis of both Na_2O (alkalinity) and SiO_2 (silicate) than any other type of hydrated or anhydrous detergent silicate, either compounded or by itself. DRYMET contains no water of crystallization.

DRYSEQ*

THE ALL-PURPOSE DETERGENT SILICATE

Cowles DRYSEQ, anhydrous sodium sesquisilicate, is a medium pH alkaline cleaner which will do fast, dependable work at a low cost to the user. It is a white, free-flowing powder, quickly and completely soluble in hot or cold water—containing 56.75% Na_2O—making it an economical base material for compounding.

DRYORTH*

THE HEAVY-DUTY DETERGENT SILICATE

Cowles DRYORTH, anhydrous sodium orthosilicate, is a powerful, speedy, heavy-duty cleaner with valuable penetrating and wetting-out properties, reinforced dirt-removing power and unusual emulsifying action. It is an anyhdrous, free-flowing powdered silicate containing not less than 60% Na_2O, which may also be used as an economical constituent of high pH cleaning compounds.

CRYSTAMET*

THE MEDIUM pH DETERGENT SILICATE

Cowles CRYSTAMET is a pure, perfectly white, free-flowing granular pentahydrate sodium metasilicate with the normal 42% water of crystallization. Suggested for compounding when it is desirable to lower the concentration of a finished product. Readily soluble—chemically stable—easy to handle. Can be used on medium pH jobs.

We'll be glad to send you our DRYMET File Folder containing complete technical information and suggested formulations.

PROMPT SHIPMENTS FROM CONVENIENT WAREHOUSE STOCKS....

*Reg. U. S. Pat. Off.

Cowles Chemical Company

HEAVY CHEMICAL DEPARTMENT • CLEVELAND 3, OHIO

Sodium-ammonium phosphate, bbls., works, frt. equald. lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-cinchophen, bots., dms., works lb. 5.00 - 5.10
Sodium-formaldehyde, sulfoxylate, dlvd., dms. lb. .22 - .22½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs. same basis lb. .30 - —
Solvent naphtha, coaltar, tanks, works gal. .25 - .3233
high-flash, tanks, works gal. .25 - .3235
Solvent naphtha, petroleum, 100° F., flash, tanks, Baytown, Tex. gal. .25 - —
150°F, flash, tanks, same basis gal. .25 - —
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots, works lb. .33 - —
solution, commercial, aqueous, dms., c.l., works lb. .23¼- —
ton lots, works lb. .24¼- —
less ton lots, works lb. .25 - —
regular, 70%, aqueous, dms., c.l., works lb. .16¼- —
ton lots, works lb. .17¾- —
less ton lots, works lb. .18½- —
tanks, works lb. .15¾- —
Soybean meal, 41% bulk, Decatur, ton. 94.00 - 95.00
protein, chemically isolated, 40,000 lbs., works lb. .18 - —
20,000 lbs., works lb. .18¼- —
smaller lots, works lb. .18½- .22
mechanically refined, bgs., 40,000 lbs., works lb. .0575- —
20,000 lbs., works lb. .0590- —
smaller lots, works lb. .0605- —
Sparteine sulphate, cns oz. 2.95 - —
Spearmint leaves, bls lb. .52 - .55
Spikenard root, bls. lb. .40 - .45
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works, lb. .05¼- —
Squaw vine, leaves, bls lb. .33 - .38
Squill, red, fortified, powd., bbls. boxes lb. 1.50 - 1.60
White, bls lb. .08 - .10
powd., bbls., bxs lb. .14 - .18
St. Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .17 - .18
Stainless steel flake, dry, dms., works lb. 1.50 - —
paste, dms., works lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 5.29 - —
Chicago 100 lbs. 4.67 - —
l.c.l. 100 lbs. 5.44 - —
powd., paper bgs., c.l. 100 lbs. 5.40 - —
Chicago 100 lbs. 4.78 - —
l.c.l. 100 lbs. 5.60 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, dom., bgs., c.l. lb. .0605- —
l.c.l. lb. .07 - .07¼
Rice, bgs lb. .10½- .10¾
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs lb. .0618- .0625
Stavesacre seed, bgs lb. .60 .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 - .38
Stoneroot, bls lb. .07½- .08
Storax, USP, cs lb. 1.50 - 1.60
Stramonium leaves, bgs lb. .19 - .20
Seed, bgs lb. .20 - .21
Streptomycin, hospitals, vials gram. .80 - —
wholesalers, vials gram. .64 - —
Strontium bromide, NF, cns., dms., lb. .62 - —
Carbonate, 90%, bbls lb. .15½- .16½
Chloride, tech., bbls lb. .22 - .24
Chromate, bgs., frt. equald lb. .43½- .44
Iodide, jars, 25 lbs lb. 3.60 - —
Nitrate, bbls., c.l., works lb. .09¼- —
l.c.l., works lb. .10¼- —
Oxalate, bbls., works lb. .42 - .44
Salicylate, NF, dms lb. 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works ton. 58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works lb. 2.50 - 2.85
Strophanthin, NF, bots oz. 39.00 - —
Strophanthus seed, Kombe, bgs lb. 2.50 - 3.00
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cns., 100 ozs. oz. 1.00 - —
Styrene, monomer, tanks, works lb. .15 - —
Styrolyl acetate, bots lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works lb. 4.25 - —
Sulphabenzamide sodium, dms., works lb. 4.25 - —
Sulphadiazin, USP, dms., works lb. 10.25 - 10.75
Sulphadiazin sodium, USP, dms., works lb. 11.25 - 11.75
Sulphaguanidin, USP, dms., works. lb. 4.50 - 4.60
Sulphamerazin, USP, dms., works lb. 10.25 - 10.75
Sulphamerazin, sodium, USP, dms., works lb. 11.25 - 11.75
Sulphanilamide, USP, powd., bots., works lb. 1.30 - 1.45
Sulphanilamide, 20-60 mesh, 10c. higher.
Sulphanilamidoquinoxaline, veterinary, dms lb. 20.00 - —
Sulphapyridin, NF, powd., bots., tins, works lb. 7.00 - 7.30
Sulphapyridin-sodium, powd., bots., dms., works lb. 7.50 - 7.80
Sulphathiazole, USP, powd., dms., works lb. 3.50 - 3.65
Sulphathiazole-sodium, USP, dms., works lb. 3.50 - 3.65
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton. 18.00 - —
vessel, f.o.b. Gulf ports, export, long ton. 22.00 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., works 100 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs lb. .27 - .29
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 - —
l.c.l., works 100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works 100 lbs. 3.85 - —
l.c.l., works 100 lbs. 4.20 - 4.60
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works, 100 lbs. 2.25 - —
l.c.l., bgs., works 100 lbs. 2.60 - 2.95
Chloride, 55-gal. dms., c.l., works, lb. .03¼- —
l.c.l., works lb. .04¼- —
10-gal. dms., l.c.l., works lb. .08¼- —
Dioxide, liquid, com'l, cyls., works, lb. .09 - —
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l., dlvd. lb. .16 - —

Sumac bark, 25%, grd., bgs., ex dock..ton.75.00 - 77.00
Extract, No. 1, bbls..lb. .10½- —
No. 2, bbls..lb. .09 - —
crystals, bbls..lb. .40 - —
stainless, bbls..lb. .14½- —
Leaf, 28% grd., bgs., ex-dock, ton.75.00 - 77.00
Superphosphate run-or-pne, under 22% a.p.a. pulv., bulk, Baito unit-ton. .76 - .77
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla. unit-ton. .83 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bis..lb. 1.50 - 1.70

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works..ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works ..ton.17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton.24.00 - —
l.c.l. ton.28.50 -28.00
98.5-99.5%, 325 mesh, bgs., c.l., works..ton.23.00 -28.00
l.c.l., works..ton.25.00 -32.00
imp., Canada, grd., bgs., c.l..ton.20.00 -45.00
Tallow, inedible, extra, loose, dlvd. lb. .07½- —
fancy, loose, dlvd..lb. .07¾- —
special, loose, dlvd..lb. .07¼- —
sulphonated, 25%, dms..lb. .06½- .07
50%, dms..lb. .09 - .09½
Tamarinds, bbls..lb. .14 - .15
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton.10.00 - —
Chicago unit-ton.10.50 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls..lb. .24 - .30
Tapioca flour, high grade, bgs..lb. .09 - .09¼
medium grades, bgs..lb. .08 - .08¾
low, bgs..lb. .0710- —
Java, bgs..lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald..gal. .41 - —
l.c.l., same basis..gal. .44 - —
tanks, same basis..gal. .33 - —
25-28%, dms., c.l., works..gal. .48 - —
l.c.l., same basis..gal. .51 - —
tanks, same basis..gal. .40 - —
50-53%, dms., c.l., same basis..gal. .60 - —
l.c.l., same basis..gal. .63 - —
tanks, same basis..gal. .52 - —
Tar coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis.... long ton.225.00 Nom.
Tarragon herb, bgs..lb. .45 - .50
Leaves, bgs..lb. .80 - .90
Tartar emetic, tech., gran., or powd., bbls., kgs..lb. .46 - —
dms..lb. .47 - .51
USP, powd., bbls., dms., kgs..lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l..lb. .24½- —
l.c.l..lb. .25 - .25½
NF, cryst., bbls., dms..lb. .75 - —
powd., bbls., dms..lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South..lb. .13½- —
l.c.l., South..lb. .14 - —
tanks, South..lb. .13 - —
prime, dms..lb. .35 - .60
Terp'nglycol ether, dms., c.l., works, lb. .19½- —
l.c.l., works..lb. .20 - —
tanks, works..lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .60 - 1.03
prime, cns., dms..lb. .55 - .95
Terra alba (see Gypsum).
Testerone propionate, USP, 100 gms. gm. 5.25 - —
Tetrachloroethane, dms., works..lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works..lb. .20½- .21½
smaller dms., works..lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate dms., works, lb. .70 - —
Pyrophosphate, 40%, cns., dms., works..lb. .65 - .70
Tetraethylenepentamine, dms., c.l., works..lb. .51½- —
l.c.l., works..lb. .52 - —
tanks..lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd. lb.15.00 -17.50
Theobromine, bots., kgs..lb. 5.00 - —
Salicylate, fib. dms..lb. 5.00 - 5.25
with sodium acetate, USP, fib. dms..lb. 4.00 - 4.45
Sodio-Salicylate, fib. dms..lb. 3.15 - 3.50
Theophylline, USP, bots., kgs..lb. 6.00 - 6.15
Thiamine hydrochloride, USP, dms., 100 grams..kilo.160.00 - —
Thiocarbanilide, dms..lb. .34 - .35
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works..lb. 5.50 - 5.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works..lb. .44 - —
Thorium nitrate, cs., works..lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs..lb. .16 - .17
Spanish, bls..lb. .09 - .09¼
Thymol, USP, kgs..lb. 3.65 - 3.75
Iodide, NF, dms..lb. 6.80 - 6.90
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms lb. .88 - .89
Crystals, hydrous, bgs., dms., works lb. .71½ - —
Metal, Bolivian..lb. 1.03 - —
Straits..lb. 1.03 - —
Oxide, bbls..lb. 1.01 - 1.02
Sulphate, stannous, bbls., kgs., works..lb. .98 - 1.02
Tetrachioride, anhyd., dms., wks. lb. .60 - .62
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd..lb. .19½- —
l.c.l., dlvd..lb. .20 - .20½
plain, bgs., c.l., dlvd..lb. .19½- —
l.c.l., dlvd..lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works..lb. .05 - —
5-ton lots, works..lb. .05¼- —
milled, bgs., c.l., works..lb. .05¼- —
5-ton lots, works..lb. .05½- —
nonchalking, bgs., c.l., dlvd. E. lb. .21½- —
l.c.l., dlvd. E..lb. .22 - .22½
Hydride, cns., works..lb. 7.00 - 8.00
Pigment, calcium-rutile base, bgs., c.l., dlvd..lb. .07½- .07¾
l.c.l., dlvd..lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse ¼c. higher.
Tetrachloride, CP, 53-gal. dms..lb. .54½- .55
smaller, pkgs., works..lb. .65 - 1.22
technical, 5-gal. dms., works..lb. .32 - —
smaller pkgs., works..lb. .40 - 1.00

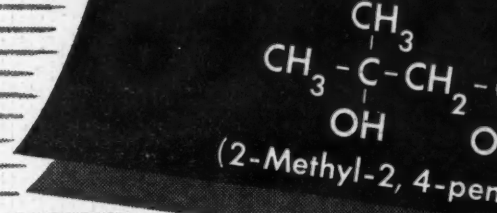
Tolu balsam, cns., dms..lb. 2.10 - 2.30
Toluene (see Toluol).
Tolidin base (see Orthotoluidin.)
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa..gal. .21½- —
Birmingham, Ala..gal. .20¼- —
Chicago district..gal. .23½- —
Cleveland district..gal. .23 - —
Dangerfield, Tex..gal. .23½- —
Geneva, Utah..gal. .19 - —
Hamilton, Ohio..gal. .22 - —
Johnstown, Pa..gal. .20 - —
Lackawanna, N. Y..gal. .23 - —
Philadelphia, Pa..gal. .24 - —
Pittsburgh district..gal. .20 - —
Sparrow's Point, Md..gal. .21½- —
St. Louis, Mo..gal. .25 - —
Syracuse, N. Y..gal. .20½- —
Terre Haute, Ind..gal. .24½- —
Woodward, Ala..gal. .20¼- —
Wyandotte, Mich..gal. .23 - —
Youngstown, Ohio..gal. .20½- —
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y..gal. .28 - —
Bayonne, N. J..gal. .28 - —
Baytown, Tex..gal. .25 - —
Chicago, Ill..gal. .27 - —
Detroit, Mich..gal. .28 - —
Philadelphia, Pa..gal. .28 - —
Providence, R. I..gal. .28 - —
Sewall's Point, Va..gal. .25½- —
Wood River, Ill..gal. .25 - —
Tonga, 50% bark and vine, bls..lb. .80 - .93
Tonka beans, Angostura, cks..lb. 1.75 - 1.80
Brazilian, cs..lb. .85 - .90
Surinam, cs..lb. .85 - .90
Toxaphene, dms., works, c.l..lb. .24 - —
truckloads, works..lb. .24 - —
ton to truckloads, works..lb. .27 - —
less than tons, works..lb. .30 - —

Totaquine, USP, 100-oz. lots..oz. .52 - —
Triacetin, dms., dlvd..lb. .35½- —
Tributyl citrate, dms..lb. .41 - .43
smaller containers..lb. .46 - .52
Phosphate, dms., c.l., frt. alld..lb. .56½- —
l.c.l..lb. .57½- —
smaller containers..lb. .71 - —
Tributylamine, dms., c.l., works lb. .78 - —
l.c.l., works..lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld. or equald lb. .10 - —
l.c.l..lb. .11 - —
tanks..lb. .08½- —
Trichloroethane, dms., c.l., works lb. .12 - —
l.c.l., works..lb. .13 - —
tanks, works..lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1..lb. .10½- —
Zone 2..lb. .11 - —
Zone 3..lb. .11½- —
Zone 4..lb. .11 - —
Trichloroethylene, dm., c.l., prices ½c. higher, l.c.l. 1¼c. higher, Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, coaltar, dms., c.l., dlvd..lb. .35 - —
l.c.l., dlvd..lb. .35½- —
tanks, dlvd..lb. .33½- .34
petroleum, dms., c.l., dlvd..lb. .34½- —
l.c.l., dlvd..lb. .35 - —
tanks, dlvd..lb. .33 - —

Triethanolamine, cms., c.l., frt. alld. E lb. .23 - —
l.c.l., same basis..lb. .24 - —
tanks, same basis..lb. .21½- —
Triethyl citrate, cms..lb. .34 - .36
smaller containers..lb. .39 - .45
Phosphate, dms., works, c.l..lb. .38 - —
dms., l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms. c.l., frt. alld. E lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .38 - —
l.c.l., works, basis 100% lb. .38½- —
tanks, works, basis 100% lb 33 - —
Trimethylhexanol, dms., c.l., works, lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Tripentaerythritol, bgs., l.c.l., works lb. .36 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .31 - —
l.c.l., frt. equald lb. .32 - —
Triphenylguanidine bbls., works lb. .90 - —
Tripoli, air-floated, bgs., c.l., works, lb. .0175- —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate, tribasic).

FROM SHELL CHEMICAL

HEXYLENE GLYCOL



(2-Methyl-2, 4-pentanediol)

A versatile, stable glycol with a variety of industrial applications

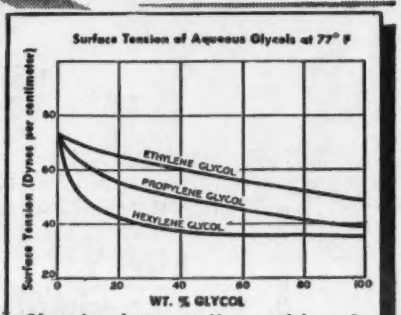
THE DIVERSIFIED USES of Hexylene Glycol are a result of *four* distinguishing features. Hexylene Glycol is (1) an ideal coupling or blending agent; (2) a high-boiling (198.3°C) solvent and penetrant; (3) an efficient wetting and dispersing agent; and (4) a mild humectant.

Hydraulic Brake Fluids. Brake fluids which contain Hexylene Glycol have high tolerance for moisture . . . show little tendency to promote rubber swelling . . . exhibit low corrosion characteristics . . . form clear solutions with other castor oil brake fluids.

Printing Inks. At ordinary temperatures press stability is insured by the low vapor pressure and mild hygroscopicity of Hexylene Glycol. At elevated temperatures of flash-dry ovens the relatively high volatility of Hexylene Glycol permits fast drying with higher, more uniform press speeds.

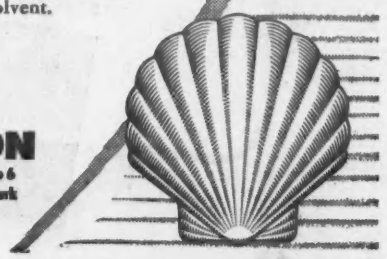
Cleaning Compounds. Hexylene Glycol, as a coupling agent in engine cleaners and general industrial cleaners, effects stable and homogeneous emulsions. In pre-spotting soaps, Hexylene Glycol couples the soap with water, contributes solvent power and facilitates the removal of last traces of soap and water during dry cleaning.

Other applications suggested by the coupling, wetting and high-solvency properties of Hexylene Glycol include soluble cutting oils, grinding fluids, wood fungicides and textile assistants.



Showing how small quantities of Hexylene Glycol markedly lower the surface tension of water—an indication of the pronounced wetting ability of Hexylene Glycol.

A letterhead request to one of the offices listed below will bring you a sample of Hexylene Glycol and specific information on the properties of this solvent.



SHELL CHEMICAL CORPORATION

Eastern Division: 500 Fifth Avenue, New York 18 • Western Division: 100 Bush Street, San Francisco 6
Los Angeles • Houston • St. Louis • Chicago • Cleveland • Boston • Detroit • Newark

Trypsin—Xylenol

Trypsin, 1:25, dms., works lb. 2.30 - —
1:50, dms., works lb. 4.25 - —
1:75, dms., works lb. 5.50 - —
1:100, fib. dms., works lb. 5.50 - —
Tryptophane, dextro-laevo, fib. ctns., works kilo 207.00 -242.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms., works lb 4.75 - —
Oxide, kgs., works lb. 2.85 - —
Turmeric root, Alleppey, bgs lb. .35 Nom.
Haitian, bgs lb. .12 - .12½
Jamaica, bgs lb. .12½- .13
Madras, bgs., futures lb. .23 - .24
Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ret. dms., East gal. .48 - —
Wood dest. dist., dms., incl., c.l., works, South gal. .40 .53
l.c.l., same basis gal. .41 .55
N. Y. whse gal. .55 —
steam-dist., dms., incl., c.l., works gal. .58 - —
l.c.l., ex whse., NYC gal. .64 - —
tanks, works gal. .32 - —
Tyrothricin, bots. gram 1.15 - 1.25

U

Urethane, USP, dms lb. 1.78 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs lb. 2.55 - —
yellow, kgs. lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .04½- —
l.c.l., works lb. .05 - —
Fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 94.00 - —
Urea, dom., fertilizer compound, 45% N, bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton. 103.58 - —
paper bgs., c.l., 30 tons, frt. alld., Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton. 98.00 - —
40 tons, distributors, frt. alld. Colo., Mont., Wyo., and west ton. 107.15 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va. ton. 125.00 - —
C and D grades, same basis, tra. 123.50 - —
37 grade, same basis ton. 147.50 - —
Uva ursi leaves, bls lb. .10 - .12

V

Valerian root, Belgian, NF, bls lb. .45 - .50
Valine, dextro-laevo, dms., works lb. 22.50 -27.50
Valonia beards, bgs., ex dock ton. No stocks.
Cups, bgs., ex dock ton. 75.00 - —
Extract, powd., bgs., ex dock, duty extra lb. .14½ Nom.
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works lb. 1.00 - 1.06
Vanilla beans, Bourbon, tins lb. 3.00 - 3.75
Mexican, cuts, tins lb. 3.50 - 3.75
whole, tins lb. 3.85 - 4.50
Vanillin, ex eugenol, tins, 25 lbs. lb. 4.00 - —
smaller lots lb. 4.05 - —
ex guaicol, tins, 25 lbs. lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16¼- .17½
5-gal. cns., works lb. .30 - —
tanks, works lb. .15 - —
Trichloride (see Trichloroethane)
Ether (see Ether, divinyl).
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, bots., 10 billion USP units, mill. units. .025 - —
1 billion USP units mill. units. .03 - —
less than 1 billion USP units, mill. units. .035 - —
Vitamin A, natural, acetate, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm 1,000,000 units. .40 - —
400,000 to 750,000 A units per gm., same basis 1,000,000 units. .42 - —
750,000 to 1,000,000 A units per gm., same basis 1,000,000 units. .45 - —
A, natural, alcohol, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm 1,000,000 units. .39 - —
400,000 to 750,000 A units per gm., same basis 1,000,000 units. .41 - —
750,000 to 1,000,000 A units per gm., same basis 1,000,000 units. .44 - —
A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units per gm 1,000,000 units. .43 - —
A, synthetic, palmitate, 800,000 A units per gm. 1,000,000 units. .50 - —
Vitamins, A concentrate (see Oil, fishliver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Vitamin B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
Vitamins, D_2 (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls lb. 1.50 - 1.75
Tree bark, bls lb. .55 - .75
Wattle bark, fair average, ex E. Afr., bgs., ex dock ton. 83.00 - —
merchantable, bgs., ex dock ton. 80.00 - —
extract, liquid, 35% tannin, bbls., works lb. .08½- —
tanks, works lb. .08 - —
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .09½ .09¼
S. Afr., 62% tannin, ex dock, duty extra lb. .09½ .09¼
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs lb. No stocks.
Wax, bees, bleached, USP, white, bricks, cs. lb. .64 - .65
slabs, bgs lb. .63 - .64
crude, African, bgs lb. .46 - .48
western hemisphere, bgs. lb. .48 - .49
refined, yellow, bricks, cs. lb. .56 - .57
slabs, bgs lb. .55 - .56
Candelilla, crude lb. .46 - .48
refined, bgs lb. .49 - .50
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots lb. .79 - .80
North Country, No. 2, ton lots lb. .85 - .86
No. 3, crude, bgs., ton lots lb. .83 - .84
refined, bgs., ton lots lb. .87 - .88
yellow, No. 1, bgs., ton lots lb. 1.13 - 1.15
No. 2 lb. 1.11 - 1.13
Powdered carnauba price differentials same as powdered candelilla.
Ceresin, dms., 132°-136° m.p., bgs. lb. .12½- .13
138°-140° m.p., bgs lb. .14½- .15
150°-160° m.p., bgs lb. .17 - .17½
Japan, bgs lb. .75 - .77
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs., group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 —
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
Black, ctns., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
White, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis lb. .34½- —
Montan, crude, dom., bgs lb. .31 - .32
Bohemian, bgs. lb. .22½- .23
German, bgs lb. .27 - .29
Ouricury, refined, bgs., ton lots, lb. .75 - .76
Ozokerite, fabricated, black, 189-190 m.p., bgs lb. .31 - —
182-183 m.p., bgs lb. .29 - —
171-172 m.p., bgs lb. .27 - —
white, 178-183 m.p., bgs lb. .26 - .27
170-172 m.p., bgs lb. .22 - .23
yellow, 180-190 m.p., bgs lb. .25 - .26
182-183 m.p., bgs lb. .20 - .21
178-183 m.p., bgs lb. .21 - .21½
170-172 m.p., bgs lb. .18 - .19
Spermaceti, blocks, cs lb. .32 .33
cake, cs. lb. .33 - .34
White lead (see Lead, white).
White pine bark, rossed, bls lb. .13 - .20
White precipitate, USP, powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 325 mesh, ogs., 40 tons St. Louis, works ton. 11.00 - —
40 tons, N. Y. whse ton. 19.00 - —
smaller lots St. Louis, works ton. 13.50 —
wet-grd., air-floated, 99% 325 mesh, bgs., c.l. ton. 14.50 -27.50
200 mesh, bgs., c.l ton. No prices
90% 200 mesh, bgs., c.l ton No prices.
water-floated, extra gilders, bgs., c.l ton. 14.50 —
gilders, bgs., c.l. ton. No prices.
putty grade, bgs., c.l ton. 13.00 —
surface treated, bgs., c.l., Ohio works ton. 30.00 —
Paris white, bgs., c.l. ton. 25.00 -31.00
l.c.l. ton. 25.00 -29.00
Precipitated, bgs., c.l. ton. 18.00 -20.00
l.c.l. ton. 22.00 -25.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
rossed, bls lb. No prices.
thin, natural, bls lb. .13½- .16
rossed, bls lb. .17 - .18
Wild indigo root, bls lb. .30 .31
Wild yam root, bls. lb. .16 17
Witch hazel leaves, bls lb. .14 .16
Woodflour, 40 mesh, bulk, c.l., works, East ton. 32.00 - —
l.c.l., same basis ton. 40.00 - —
60 mesh, bulk, c.l., same basis, ton. 37.00 - —
l.c.l., same basis ton. 45.00 - —
80-100 mesh, bulk, c.l., same basis, ton. 40.00 -45.00
l.c.l., same basis ton. 50.00 -55.00
Woodflour in bgs. extra, returnable
Woolfat (see Lanolin).
Wormseed, American, bgs lb. .13 - .14
Levant, bgs lb. 4.15 4.25
Wormwood, leaves, bls lb. .40 .45

X

Xanthorrhiza root, bls lb 28 .30
Xylene (see Xylol).
Xylenol, 5° 7° ret. dms., c.l., works, frt. equald lb 21¾ —
l.c.l., same basis lb 22¼ —
tanks, same basis lb 21 —
45°, dms., l.c.l., frt. equald lb .34 - —

Zinc Chloride

FOR USE IN—Preserving wood; Finishing paper and textiles; Flameproofing and dyeing textiles; Galvanizing; Manufacturing vulcanized fibre, batteries and glue.

Zinc Sulphate

FOR USE IN—Fertilizers and orchard sprays; dyeing and printing textiles; Electro plating; Electro galvanizing; making rayon, paint, varnish, glue.

At Wheatland, Pa., Maneely Chemical Company has one of the most efficient, modernly equipped chemical plants in the country.

Glass lined vats and equipment and a new process combine to give a new high in uniformity, purity and quality.

Manco

Maneely CHEMICAL COMPANY

Dept. O • 1300 Bankers Securities Bldg. • Philadelphia 7, Pa.

Plant, Wheatland, Pa.

Xylenol, fractions, over 7° C. dms., c.l., same basis..gal. .91 - —
l.c.l., same basis.....gal. .94 - —
tanks, same basis.....gal. .80 - —
Meta fraction, over 7° C, dms., c.l., same basis..gal. .96 - —
l.c.l., same basis.....gal. .99 - —
tanks, same basis.....gal. .85 - —
Xylidins, mixed, dms.....lb. .45 - .50
Xylol, coaltar, industrial, tanks, works —
Bethlehem, Pa.....gal. .26 - —
Birmingham, Ala.....gal. .23¼ - —
Chicago district.....gal. .26½ - —
Cleveland district.....gal. .29 - —
Dangerfield, Tex.....gal. .27 - —
Hamilton, Ohio.....gal. .25 - —
Johnstown, Pa.....gal. .24 - —
Lackawanna, N. Y.....gal. .24 - —
Pittsburgh district.....gal. .23 - —
Sparrows Point, Md.....gal. .26 - —
St. Louis, Mo.....gal. .28 - —
Syracuse, N. Y.....gal. .23½ - —
Terre Haute, Ind.....gal. .28 - —
Woodward, Ala.....gal. .23¼ - —
Wyandotte, Mich.....gal. .27 - —
Youngstown, Ohio.....gal. .23½ - .25
Petroleum, industrial, 10°, tanks, works:—
Albany, N. Y.....gal. .28 - —
Bayonne, N. J.....gal. .26 - —
Baytown, Tex.....gal. .25 - —
Chicago, Ill.....gal. .27 - —
Detroit, Mich.....gal. .28 - —
Philadelphia, Pa.....gal. .28 - —
Providence, R. I.....gal. .26 - —
Sewall's Point, Va.....gal. .25½ - —
Wood River, Ill.....gal. .27 - —

Y

Yara, yara, cns.....lb. 2.00 - 2.25
Yeast brewer's dry, USP, 50 B units, per gram, 100-lb. dms..lb. .44 - .46
90 B units, per gram, 100 lb. dms..lb. .49 - .51
200 B units, per gram, 100 lb. dms..lb. .53 - .55
300 B units, per gram, 100 lb. dms..lb. .57 - .59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.

Benzidin, bbls., dlvd.....lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies..lb. 2.65 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies.....lb. .95 - —

Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher.

Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island, tracts..lb. .30¼ - —

Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa, bbls., same basis as chrome..lb. 1.60 - 1.70
Primrose, bbls., same basis..lb. 1.90 - 2.10
Iron oxide, natural, bgs., c.l., works..lb. .0141- .0250
l.c.l., works.....lb. .0166- .0275
French type, bgs., c.l.....lb. .04½ - —
l.c.l.....lb. .04¾ - —
Peruvian type, bgs., c.l..lb. .0185- .0210
synth. bgs., c.l. works.....lb. .09 - —
l.c.l. works.....lb. .09¼ - —
Mercury oxide, bbls., 1,000 lbs..lb. 1.93 - —
smaller lots.....lb. 1.95 - —
Ocher American golden, bgs., works..lb. .01¼ .02½
Zinc, bbls. same basis as chrome..lb. .23½ - —
Yellow dock root, bls.....lb. .16 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls.....lb. .28 - .30
Yohimbine hydrochloride vls.....oz. 3.25 - 4.00

Z

Zein, bgs., 36,000 lbs., works..lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots, works.....lb. .35 - —
Zinc acetate, tech., bbls., dms..lb. .26¼ - —
NF, dms.....lb. .38 - —
Arsenite, bgs., c.l., frt. alld. E. of Rockies..lb. No stocks.
l.c.l., same basis.....lb. No stocks.
Borate, bgs., c.l., ship't pt., frt. alld., E..lb. .12 - .15½
frt. alld. Pac. Coast..lb. .15 - .17½
l.c.l., ship't pt., frt. alld. E..lb. .12½ - .16
frt. alld. Pac. Coast..lb. .16¾ - .19¼
Carbonate, tech., rubber makers, bbls., works..lb. .10¾ - —
precip., powd., dms..lb. .26 - —
Purified precip., dms.....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.40 - —
gran., bbls., c.l., works.100 lbs. 7.75 - —
l.c.l., works.....100 lbs. 8.15 - —
solution, 50%, dms., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.50 - —
tanks, works.....100 lbs. 3.25 - —
NF, gran., dms.....lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .38 - .41
Dust, bbls., c.l., works.....lb. .1225- —
dlvd.....lb. .1250- —
l.c.l., works.....lb. .1260- .1325
Fluoride, bbls., works.....lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .17¼ - —
l.c.l.....lb. .17¾ - .18
Iodide, NF, jars.....lb. 4.85 - —
Laurate, bbls.....lb. .45 - .46
Linoleate, solid, 9½%, bbls.....lb. .42½ - —
Metal slabs, E. St. Louis.....lb. .10 - —
Naphthenate, liquid, 8% Zn., frt. alld..lb. .20¾ - —
10% Zn, dms., frt. alld.....lb. .25½ - —
Oleate, fused, bbls.....lb. .36 - —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld..lb. .11 - —
l.c.l., works.....lb. .11¼ - —
American process, com'l, lead-free, bgs., c.l., ship't point, frt. alld..lb. .11 - —
l.c.l., works.....lb. .11¼ - —
leaded, 5%, bgs., c.l., ship't point, frt. alld..lb. .11 - —
l.c.l., works.....lb. .11¼ - —
35%, bgs., c.l., ship't point, frt. alld..lb. .12¾ - —
l.c.l., works.....lb. .13 - —
50%, bgs., c.l., ship't point, frt. alld..lb. .13½ - —
l.c.l., works.....lb. .13¾ - —

Zinc oxide, pigment, dom., French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld..lb. .13¼ - —
l.c.l., works.....lb. .13½ - —
green seal, bgs., c.l., ship't point, frt. alld..lb. .12¾ - —
l.c.l., works.....lb. .13 - —
red seal, bgs., c.l., ship't point, frt. alld..lb. .12¼ - —
l.c.l., works.....lb. .12½ - —
white seal, bgs., c.l., ship't point, frt. alld..lb. .13¼ - —
l.c.l., works.....lb. .13½ - —
USP, ctns., c.l., ship't point, frt. alld..lb. .14¼ - —
l.c.l., same basis.....lb. .14½ - —

Zinc oxide Pac. coast prices, etc., higher; bbl prices ¼c. higher than bgs.

Phenolsulphonate, NF, gran., bbls., dms..lb. .28 - .29
powd. bbls.....lb. .31 - .33
Resinate, fused, 1% Zn, dms., frt. alld..lb. .20 - —
precip., dms., frt. alld.....lb. .22 - —
Silicofluoride, bbls., works..lb. .10 - .10½
Stearate, tech., USP, ctns., c.l..lb. .34 - —
ton lots.....lb. .35 - —
less ton lots.....lb. .36 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld..100 lbs. 4.55 - —
l.c.l., same basis..100 lbs. 4.95 - —
flake, 25½%, Zn, bgs., c.l., works..100 lbs. 5.50 - —
l.c.l., works.....100 lbs. 5.70 - —
powd., 36% zn., bgs., c.l., dlvd. same basis..100 lbs. 7.00 - 7.40
l.c.l., same basis....100 lbs. 7.40 - 7.75
Zinc sulphate in bbls. 40c. higher
USP, gran., dms.....lb. .22 - .22½

Zinc sulphide, pure, bgs., c.l., frt. alld..lb. .13¼ - —
l.c.l., works.....lb. .13½ - —
Barium pigment, bgs., c.l., dlvd. lb. .08 - —
l.c.l., works.....lb. .08¼ - —
Calcium, pigment, bgs., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .08¼ - —
Luminescent pigment, frt. alld. lb. 1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd..lb. .08 - —
l.c.l., dlvd.....lb. .08¼ - —

Zinc sulphide and pigment, Pac. coast prices ¾c. higher; bbl prices ¼c. higher than bgs.

Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l., works..100 lbs. 7.00 - —
l.c.l., bags, works.....100 lbs. 7.40 - —
Zinc-cadmium sulphide, fluorescent, cns., frt. alld..lb. 2.00 - 2.80
Zinc-calcium resinate, dms., c.l., works..lb. .1180- .1360
l.c.l., same basis.....lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works..lb. .21½ - —
normal, dms., works.....lb. .43 - —
Zircon (see Zirconium silicate).
Zirconium acetate, 13% sol. ZrO_2, bbls., works..lb. .21¼ - —
Zirconium carbonate, basic, cake, bbls., works..lb. .30½ - —
Hydride, cns., works.....lb. 7.00 - —

Xylenol Fractions—Zirconium Sulphate

Zirconium nitrate, dms., works....lb. 1.75 - —
Oxide, 98½-99% white, grd., bbls. or bags, works..lb. 1.50 - —
lump, electric-fused, bgs., works..lb. .44 - —
5 tons, works.....lb. .44½ - —
1 ton or less, works..lb. .45 - .48
milled, electric-fused, bgs., c.l., works..lb. .59 - —
5 tons, works.....lb. .59½ - —
1 ton or less, works.....lb. .60 - .63
Oxychloride, cryst., ctns., 5 tons, works..lb. .29½ - —
Silicate, granular, bgs., c.l., works, lb. .03¼ - .03¾
10 tons, works.....lb. .03½ - .04
5 tons, works.....lb. .04 - —
1 ton or less, works.....bl. .04¼ - .04¾
milled, bgs., c.l., works.....lb. .04¾ - —
5 tons, works.....lb. .05¼ - —
1 ton or less works.....lb. .05¾ - .06¼
refined, bgs., c.l., works.....lb. .11 - —
works..lb. .11 - —
5 tons, works.....lb. .11½ - —
1 ton or less, works.....lb. .12 - .16
Zirconium sulphate, cryst., ctns., c.l., works..lb. .37½ - —
5 tons, works.....lb. .38 - —
1 ton or less, works..lb. .38¼ - .39

Synthetic Resins

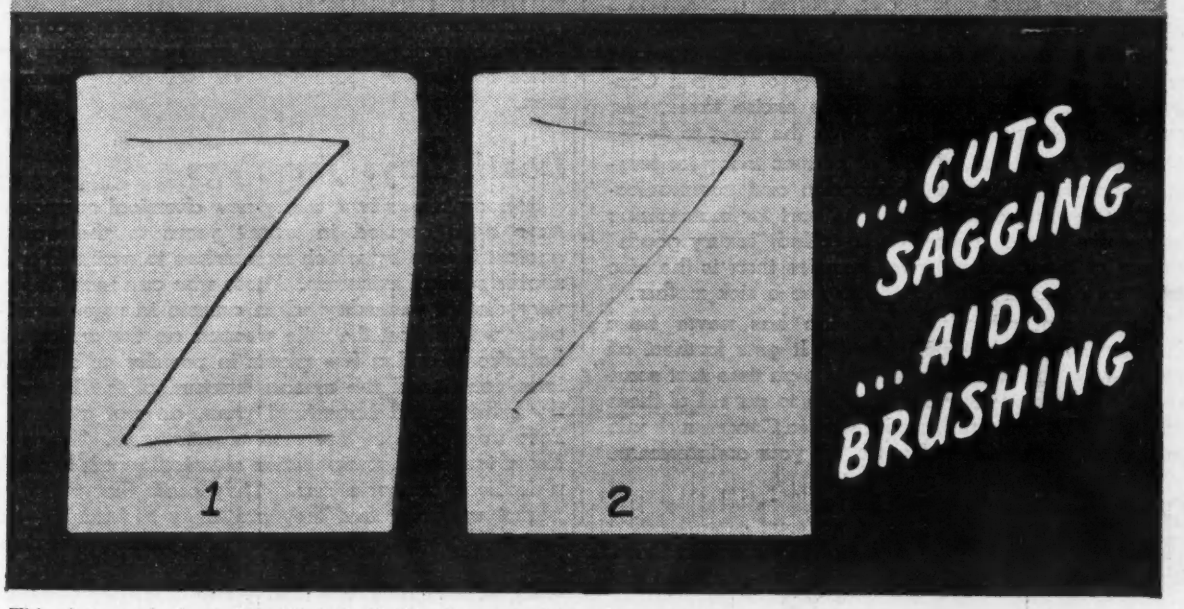
The customary monthly listing of prices for synthetic resins and other branded paint materials, last printed in the May 2 issue of OPD, has been discontinued.

HERE'S AN EASIER WAY...

to add NON-SAG properties to your coatings

USE ALBALITH-73

(THE SURFACE-TREATED LITHOPONE)



This photograph shows that Albalith-73 (No. 1)—a special, surface-treated lithopone—adds more sag resistance to coatings than does an untreated pigment (No. 2)...as indicated by the sharp outline of the letter formed in the wet film. These films, equal in pigment volume, were applied to glass plates by a spreader with .003" clearance, placed in vertical position, then marked with "Z"

Are you looking for an easier, better way to impart non-sag and faster-brushing features to your paints and enamels?

Albalith-73 has pronounced anti-sag features . . because it is a special, surface-treated lithopone. When used either alone or with other pigments in oleoresinous or synthetic coatings, this pigment makes for less sagging, quicker application on walls and woodwork . . . and builds up thicker films on those troublesome corners and edges of moldings.

In addition, Albalith-73 provides fast mixing, better suspension properties in the package, excellent tint retention. And it improves toughness and scrub resistance, too.

Write today for samples of Albalith-73. Find out how it steps up the quality of your paints.

HORSE HEAD PRODUCTS

THE NEW JERSEY ZINC COMPANY

Founded 1848

160 Front Street, New York 7, N. Y.

Oil, Paint & Drug Reporter

Founded October 18, 1871, by William O. Allison
Directed 1900-1942, by Harry J. Schnell
Incorporating Drug Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, New York Druggists' Price Current, The Soap Makers Journal, Oil and Paint Review, and International Petroleum Reporter.
Member of Audit Bureau of Circulations

Copyright 1949 by

SCHNELL PUBLISHING COMPANY, INC.
WILLIAM S. AUCHINCLOSS, *President*
59 John Street, New York 7, N. Y., U. S. A.
Telephone: REctor 2-9820: Cable Address: Reporter, New York

Volume 156 August 29, 1949 Number 9

Another Try at Tax-Cutting

Another move has been started in Congress for the reduction of the excise taxes levied on all sorts of things as a means of furthering the prosecution of the share of the United States in World War II. The chairman of the ways and means committee says that the drive will get nowhere because, even with the continuation of those taxes, the government is going to finish the current fiscal year in the red.

Six of the plans for reorganization of governmental units which were proposed by the Hoover committee have been approved by Congress—but not in the form of their suggestion. It is not possible to foresee what, if any, saving those reorganizations will effect in the operating costs of government. It is not possible to foretell what savings may be made in the financial commitments of the United States in connection with the assurance and maintenance of commercial and political stability in the Western world.

So, nobody can say what would be the budgetary effects of trimming the revenue from excise taxes. The direct cut would not be as much as the tax reduction because it would be in good part offset by increases in income taxes from business on the larger earnings which bigger sales of cheaper, taxfreed goods would bring.

The whole thing is a problem in guessing. It would be good for the country in a variety of ways if Congress would guess that cutting the excise taxes, yes, even eliminating most of them, was the thing to do.

There is no reason in logic or politics today for levying an excise tax on transportation and communications. There is no reason of any sort for maintaining the present rate of excises on so-called "luxury goods"—some of them are no more luxuries than is the also taxed taking of a railroad trip to see a sick mother.

The Federal scheme of taxation has never been characterized by common sense. It gets farthest off the beam in the excise areas. It is high time that some sort of a regulative move was made to get rid of those inanities. The move now under way in Congress should get a push from everybody. So, tell your congressman.

Competition—What Is It

Business needs a glossary of politicoeconomic terms. Anybody who tries to keep up with the congressional wrestling with the application of political means to economic ends is forever puzzled to know what anybody is talking about.

The arguments over the so-called "basing-point" pricing system are very much to the point of that perplexity. The bill mostly considered has nothing to do with basing-points. It is concerned with the legalization of the right of a seller to pay the freight. That right has never legally been impaired, although the Federal Trade Commission has questioned it on several occasions.

Prepayment of transportation charges and use of a basing-point scheme are different practices. It is not to be expected that Congress will legalize the use of a common basing-point by an industry. Such use is clearly collusive restriction of competition. It may be that Congress will enact a law formally placing itself on record as believing in and in favor of the right of a seller to pay all or part of the cost of delivering his goods. Such an enactment would add nothing to existing legal rights, but it might serve to keep the Federal Trade Commission from making more or less veiled threats against that right.

Behind all the semantic confusion over what the antitrust laws mean lies the great variety of interpretations to which the term, "competition," is subjected. Competition in areas other than commerce is an endeavor among more or less related contestants to get the better of one another. For a long time, it was popularly believed that commercial competition was such a contest. Today, one cannot be sure in that respect.

Much of the confusion over the meaning of the term, "competition," in the politicoeconomic application of standards and regulations therefor, derives from the lack of a specific definition for the qualifying words, "free" and "fair," when applied to competition. The regulatory and restrictive statutes are designed to insist that competition be free and fair. In the ordinary sense of those two terms, they are incompatible. If competition is to be free, it cannot be limited by any demands that it be fair. If competition is to be fair, competitors certainly cannot be allowed full freedom of practice. So, the endeavor is to assure for competition free fairness, or fair freedom. The measure of success therein is not large.

Efforts to enforce the laws regulating competition oscillate between goals of fairness and goals of freedom. The result is quite peculiar at times. The Federal Trade Commission—and the Department of Justice—concerns itself very much with the reasons why the prices of all suppliers of a given material are the same. Allegations of collusion or some sort of concerted action are frequently made in that connection. The official opinion seems to be that there is no such a thing as competition on even terms.

The other side gets just as much attention and antagonism. In the recent congressional committee discussions of the freight-absorption bill, it was quite solemnly declared that, if one seller were permitted to supply goods at a price lower than that of a competitor, it would be possible for him to injure commerce by taking trade away from the higher-price sellers. As the bill stands, the seller who absorbs freight has the burden of proving that he is not thereby taking trade from local sellers. In other words, it would be illegal to undersell a competitor.

A glossary of terms applicable to the politicoeconomic—or politicomic—concepts of business practices is very much needed—by politicians, as well as by businessmen.

Death Rays for Bugs

Nobody knows how many new chemical compounds have been applied in recent years to the warfare against insects by which man strives to maintain a desirable state of existence. Those who can recall the not very distant yesterday when arsenic in some form or other was almost the sole weapon on the agricultural battlefronts and a few plants in powder or extractive form constituted the armamentarium of the battler of floricultural and household pests, do not attempt to keep track of today's myriad of successors. They read about them as sesquipedalian chemical words or catchy alphabetic abbreviations. They read that these are potent weapons; that they are likely to backfire—and that they are not. They find them in hundreds of dusts, sprays, and atomizations in groceries, paint shops, and drug stores. They use them—with a variety of results.

The airplane has helped in man's insecticidal warfare, even as in his fratricidal battling. The bomb is a common weapon in both strivings for mastery. And so is, at least in ominous theory, the bacterium and its kin of the microcosmos. Behind all the new agents of destruction in the battling of man with man lurk all sorts of "death rays," more insidiously threatening than even atomic-fission. What truth there be of such death-dealers can but be conjectured; but the day of chemicals, physical forces, and bacteria as insecticidal weapons seems to have come to its twilight.

The first report of successful, commercial application of a "death ray" in an insecticidal role comes from Brazil, where "short waves" have been applied to the fumigation of grain. The report says that the quantity of grain which could be purified in twenty-four hours by fumigation with the poisonous gases for the killing of insect larvae and ova can be equally cleaned in thirty seconds by the application of the short-wave method.

DDT, synthetic pyrethrin, chlordane—all the hundreds of new and old killers of bugs doubtless will be forgotten relics of an era of struggling technology within less than a decade.

OPD Forum

An Outlet for Individual Opinion

(Anonymous communications will not be recognized, but a signer's name will be withheld at request.)

OPD Back Numbers

The Editor,
OIL, PAINT AND DRUG REPORTER.
Sir:—

Our local agents have reported that the following numbers of OIL, PAINT AND DRUG REPORTER which are missing from our set are out of print and unobtainable:—

Volume 149, numbers 7, 9, 11, 15, and 26 (February, March, April, and June, 1946).

As I am greatly distressed to think that our reference files may be permanently incomplete, I am writing to ask your help in securing copies of these issues. Possibly there may be a spare secondhand office copy which you might be willing to let us have. If not, I wonder whether you would insert a short request in the current issue of your journal asking whether any of your readers has any spare copies for sale or as a gift.

If you would do this, or if you could suggest any possible source from which I might secure copies, I should be very grateful. We should be very willing to pay the cost of any journals supplied, the cost of the advertisement, or for postage.

(MISS) P. M. SPEIGHT,
Asst. to City Librarian.

City of Johannesburg,
Union of South Africa.

(If any OPD reader is in position to comply with Miss Speight's request, we shall be glad to be so informed and to assist in his doing so.—*The Editor.*)

Washington Talks

—*Continued from page 5*

record of refusing to yield to congressional pressures, it will be surprising if he capitulates on this issue.

Cortisone at Home

The promising new plant source for the disease-fighting drug, cortisone, is a vine with strangely beautiful flowers and a history of both beneficial and sinister use. This vine, with the tongue-twisting name "*Strophanthus sarmentosus*," belongs to the big strophanthus family whose members are scattered about tropical Asia and Africa. It is easily identified by its green seed-containing double pods, resembling steer horns and its white flowers with their pink and purple touches, and long, tangled streamers.

Cultivation of the strophanthus vine is now forbidden in Africa because of the highly poisonous character of its seeds. From several wild species of the plant, however, West African natives long have made lethal tips for their arrows. They also make a strophanthus brew for use in ceremonial trials by ordeal. In such trials a person accused of breaking tribal laws is required to drink the mixture. If he dies, he is deemed guilty; if not, innocent. The number found guilty, African plant collectors have observed, is not surprising.

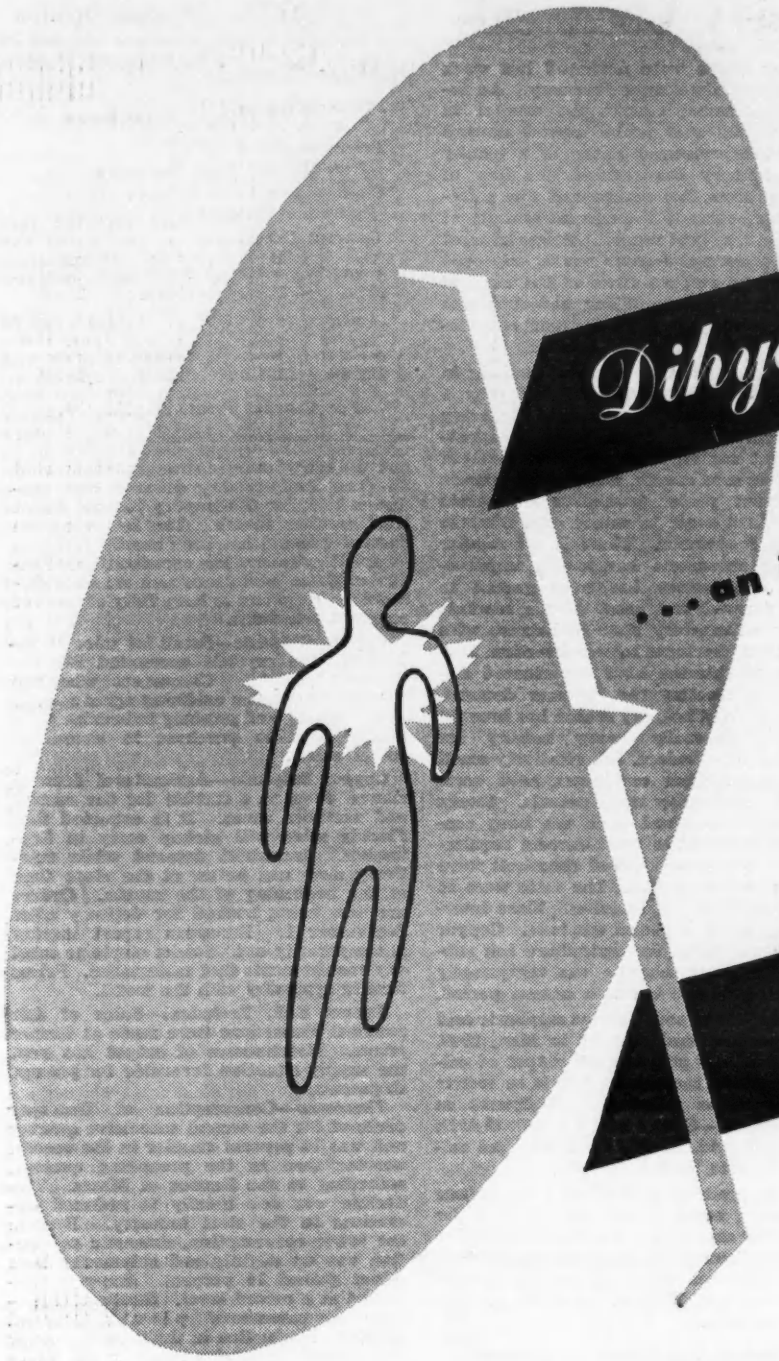
On the beneficial side, greatly diluted doses from *Strophanthus kombe, s. hispidus*, and other species, act as a heart stimulant, like digitalis, and once were used widely in the treatment of heart diseases.

European Technologic Swaps

A five-point program for intra-European exchanges of technicians and technical data is being drawn up by the Marshall Plan countries. Like the technical assistance program of the Economic Cooperation Administration, which provides for exchanges of United States and European technicians and technical information, the European project's purpose is to help increase productivity among members of the Organization for European Economic Cooperation.

The program proposes interchange of documents relating to physical and biological sciences of direct and indirect interest to industry, and branch of technology, medical matters of industrial interest, economic documents; also interchange of statistics with a view of setting up a common standard for comparing production statistics, interchange of technicians, consultation on technical assistance projects, and cooperative research.

The program was drafted at a Paris meeting of OEEC last month and will be submitted for approval of the OEEC council after it has been given its finishing touches.



Dihydrostreptomycin Sulfate

...an improved potent ANTIBIOTIC

Pfizer

DIHYDROSTREPTOMYCIN, a streptomycin derivative, adds one more effective antibacterial agent to the widely accepted list of Pfizer antibiotics. The importance of Dihydrostreptomycin is based on the fact that it produces neurotoxicity more slowly than streptomycin and can therefore be administered for a longer period of time. The results have been outstanding in the treatment of several forms of tuberculosis. A highly purified product, chemically derived from streptomycin by the addition of hydrogen, Dihydrostreptomycin is prepared as the sulfate salt.

DIHYDROSTREPTOMYCIN SULFATE-PFIZER

... is produced with the same uniformity and resultant high quality for which Pfizer is famous. Each batch is subjected to a series of biological tests to determine sterility, toxicity, potency and freedom from pyrogenic and histamine-like substances. In addition, exhaustive chemical assays and physical tests are made to establish solubility, pH, color, and other performance characteristics. It is prepared and packaged under the same protective safeguards long associated with Pfizer quality control. Dihydrostreptomycin Sulfate-Pfizer is available to the pharmaceutical companies in sterile sealed vials of 1 gram and 5 grams of pure streptomycin base. Like all Pfizer antibiotics, Dihydrostreptomycin Sulfate is available for export under the Pfizer label. Chas. Pfizer & Co., Inc., 630 Flushing Ave., Brooklyn 6, N. Y.; 425 N. Michigan Avenue, Chicago 11, Illinois; 605 Third Street, San Francisco 7, Calif.

World's Largest Producer of Antibiotics

PFIZER

PFIZER QUALITY 1849 1949 CHAS. PFIZER & CO., INC.

Manufacturing Chemists Since 1849

COLUMBIA

PACIFIC BRAND
BORAX
GRANULAR • POWDERED
100 LB. PAPER BAGS

PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
FIFTH AT BELLEFIELD • PITTSBURGH 13, PA.
BOSTON • CHARLOTTE • CHICAGO
CINCINNATI • CLEVELAND • MINNEAPOLIS
NEW YORK • PHILADELPHIA • PITTSBURGH
SAN FRANCISCO • ST. LOUIS

COLUMBIA CHEMICALS
PAINT • GLASS • CHEMICALS • BRUSHES • PLASTICS
PITTSBURGH PLATE GLASS COMPANY

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
CHURCH & DWIGHT CO., Inc.
70 PINE STREET Phone Digby 4-2181 NEW YORK 5, N. Y.

POTASH ALUM
Lump • Nut • Pea • Granular • Powdered
Bags • Barrels • LCL • Carloads
CONSOLIDATED CHEMICAL INDUSTRIES INC.
ADDRESS INQUIRIES TO: 640 HELLIE ESPERSON BLDG., HOUSTON 2, TEXAS
OR 630 FIFTH AVENUE, NEW YORK 20, N. Y.

MERCHANTS CHEMICAL COMPANY, INC.
INDUSTRIAL CHEMICALS
99 East 42nd Street, New York 17, N. Y.
Caustic Potash
CHICAGO (11)—435 No. Michigan Ave.
CINCINNATI (2)—216 Elm St.
DENVER (11)—1211 West 44th Ave.
DETROIT—4000 West Jefferson Ave.
MILWAUKEE (4)—1100 So. Barclay St.
MINNEAPOLIS (13)—110 N. E. Sixth St
OMAHA (8)—702 So. 10th St.
STAMFORD, CONN.—Elm Court

Heavy Chemicals

Silver prices were advanced last week for the first time since February. An increased demand caught the market in short supply and prices moved upward easily. A prolonged strike at a nearby silver refinery has checked the flow of material from that source and was a factor contributing to the current scarcity of stocks in the local market. Prices of most of the other non-ferrous metals appeared to be fairly well stabilized at the close of the month. Demand for cadmium has slowed down, permitting the market to develop a better degree of balance.

Current reports of increased activity in major consuming industries had only a modest reflection in the demand for heavy chemicals to date. The stage is apparently set for an increased movement of chemicals next month, although consumers at present prefer immediate shipments and are not eager to extend commitments beyond September. The call for regular contract shipments has shown improvement. Production has been geared to meet demand and most of the markets show a satisfactory state of balance with no serious shortages in any direction. Producers of chlorine have experienced difficulty in meeting the Summer demand. The prolonged hot, dry season has brought out an unusually heavy inquiry for chlorine in cylinders, and relatively small supplies of these containers have occasioned some delay in shipments. Stocks of caustic soda and soda ash have continued sufficient to meet current requirements. The potash based chemicals were also readily available. The acids were in free supply for all varieties. More interest was noted in nickel sulphate. Copper sulphate demand for agriculture has subsided and zinc sulphate was temporarily neglected in the between season period.

Production of soda ash and sulphuric acid in Japan declined slightly in May, 1949, from that in April, but the output of calcium carbide increased. Totals in metric tons were as follows, April figures in parentheses:—Soda ash, 9,325 (9,491); sulphuric acid, 202,167 (218,034); and calcium carbide, 43,612 (38,348).

Paper production based on a percentage of six-day capacity was 89.8 percent for the week ending August 20, according to the American Pulp and Paper Association. This compared with 85.9 in the preceding week, and 97.7 for the corresponding week in 1948.

Ammonia, Anhydrous—Producers report a normal seasonal demand with stocks adequate to meet requirements. It was stated that output has been increased three-fold since before the war and so has demand. While the fertilizer inquiry is quiet at this time of year, the outlook is favorable for heavy buying later in the season. Planters, particularly in the South, have greatly increased their purchases for direct application. No price changes have benn announced.

Ammonia Aqua—Demand in this area has been sustained at a satisfactory level with stocks in line with requirements. Tankcars are moving on the basis of $80 per ton, f.o.b. the works. In Chicago, buying interest has slowed down and the market at present is a quiet affair without revealing any change in prices.

Ammoniac, Sal—Inquiry from the drybattery trade for white granular was a little more active last week with prospects of improving. Stocks have been kept in line with requirements, cutback production earlier in the year has kept suppliers' inventories in balance.

Ammonium Bicarbonate—Sales during the past month have been of better dimensions than in July. The cracker bakeries apparently allowed their stocks to run low and have decided to increase inventories. Prices were unchanged.

Bleaching Powder—No shortage of stocks at present. Demand has not been urgent, but of seasonal dimensions. Export sales have continued light and without special feature.

Carbon Tetrachloride—Sales moderate but of fair seasonal dimensions. No supply shortage like prevailed a year ago. Producers can now make prompt or immediate shipments without difficulty.

Chlorine—Supply situation has continued relatively tight in the eastern area. Demand for water and sewage treatment is active and the pressure for chlorine in cylinders has shown no sign of easement to date. The effects of the intense heat and the long Summer drought has created an exceedingly heavy demand and producers look for the inquiry to hold for at least another month. The fact that the current demand has been mostly focussed on small cylinders has occasioned a shortage of these containers and made it difficult for suppliers to keep fully abreast of contract schedules.

Copper Chloride—Small lot sales of anhydrous and crystals accounted for the market's activity. Consumers who use this chemical as an oxidizing agent as well as the dyeing and printing industries were not inclined to purchase in excess of actual wants.

Copper Sulphate—Agricultural demand slowed down to a dribble for the central and northern areas. It is expected that Florida sales will pickup early in September. Industrial demand while relatively slow was better at the close than at the beginning of the month. Orders are now being booked for delivery after September 1. European export inquiry is temporarily out. Stocks ample to meet any requirements that materialize. Prices firm in sympathy with the metal.

Epsom Salt, Technical—Sales of fair seasonal dimensions were made at former prices. Maintenance of output has kept the supply situation favorable for prompt shipments.

Fluorspar—Consumption of fluorspar declined for the second successive quarter and was 14 percent smaller in the second quarter than in the preceding quarter, according to the Bureau of Mines. The decline was due chiefly to reduced operations in the steel industry. Despite the lower consumption, domestic production was up slightly and shipments from mines gained 14 percent. Imports continued at a record level. Stocks of fluorspar at consumers' plants dropped slightly. Production in the second quarter was 66.022 tons, shipments from mines was 63,794 tons, consumption was 90,596 tons and stocks on June 30 were 173,871 tons.

Nickel Chloride—Smalll lot sales were noted but consumers were not inclined to discount future requirements. Stocks were fully sufficient to meet requirements promptly.

Nickel Sulphate—Sales showed a small increase for plating use. The vegetable oil trade appeared to have covered requirements temporarily. One producer whose output is sold through September is now in a position to accept October shipment, in other supply quarters immediate and prompt deliveries were available.

Potash, Caustic — More inquiry for liquid from the soap and chemical industries but only a moderate expansion in sales. Dry forms relatively quiet and have been all month. Stocks meeting requirements easily. May exports were 254,350 pounds, Canada was the largest buyer with 137,460 pounds.

Potassium Carbonate — Buying interest from the makers of television tubes slowed down a little at the close of the month. It was stated that the glass specialty plants are somewhat confused as to the kind of tubes to make. Demand for liquid from the textile mills was definitely slow.

Potassium Chlorate — Shipments last week were mostly against contracts held by the match factories. Production is meeting these requirements and the market at the close of the month appeared to be in a satisfactory state of balance.

Soda Ash—Slight improvement was reported in the consuming inquiry but purchases had no appreciable effect on reducing the available supply. Prompt or immediate shipments of light and dense ash were readily obtainable at former price levels.

The chemical works at Tanngku, China,

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
Silver, 1¼c. per oz.

Prices Reduced
None

Comparative Price Indexes
(100—August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
222.4	222.4	222.4	222.6

Acids

Last week	Prev. week	Last month	Last year
121.8	121.8	122.0	122.4

(*For Current Prices see Page 9*)

produced 3,825 tons of soda ash and 293 tons of caustic soda in June.

Soda, Caustic—While a moderate pick-up in demand was reported, no extensive increase in sales could be noted last week. Inquiry emanated mostly from the soap-makers and petroleum refineries. Interest from the rayon mills was described as spotty. There were abundant stocks to take care of requirements.

Sodium Chlorate—Buying interest fair for industrial use with considerable tonnage booked for September and more inquiries for that month and early October. Production steady with prices holding firm.

Sodium Nitrite—Meat-packers and the metal trade have been fairly active buyers during the past month. The latter trade have used this material where a black finish is desired to prevent rust.

Zinc Sulphate—New business progressing slowly with the market showing the usual activity incident to the between season period. Stocks are abundant to meet the current extent of demand. Prices are firm under the more stabilized conditions apparent in the metal.

Acids

Chromic—Small lot sales totaled a fair aggregate last week. Platers continued to show a preference for immediate shipment knowing that there is no stringency in the supply situation at the present time. May exports amounted to 247,570 pounds with Canada the largest buyer.

Muriatic—Buying interest fair but not sufficient to tighten the supply position. May exports showed a total of 940,316 pounds with Canada taking 751,857 pounds.

Nitric—Production has kept the supply adequate to meet requirements readily. Demand has continued fair although it was stated that sales in the aggregate have not been equal to those of a year ago up to this time. May exports were 425,724 pounds with Korea taking 302,825 pounds.

Oxalic—Small lots have continued to attract attention but no unusual activity could be noted last week. Stocks have been fully equal to demand both for home and export with immediate shipments readily available at the late reduction in prices.

Sulphuric — Sales continued of fair seasonal dimensions but the week's total was a shade off, compared with the beginning of the month. There was no shortage of stocks for prompt shipment. May exports amounted to 319,118 pounds of which 111,770 were destined to Peru.

Non-Ferrous Metals

Cadmium—Consumers' demand did not appear quite as active at the close as at the beginning of the month. Stocks were not free although the market showed a better degree of balance. The price was firm for commercial at $2 per pound, delivered.

Copper — Electrolytic firm at 17⅝c. per pound with sales described as fair for prompt shipment. Copper Institute placed refined copper stocks as of July 31 at 212,817 short tons, up 45,892 tons from June 30 and a total increase of 144,367 tons in the last four months. Refined stocks now are at a high since before the war. Curtailment of domestic production because of price and demand factors brought July output of crude copper to 56,630 tons, a low since the strike-affected month of January last. The daily average production in July of 1,827 tons compared with 2,159 tons daily in the first seven months of 1949, 2,323 tons a day in 1948, 2,387 in 1947 and 1,695 in 1946. Deliveries of refined copper to domestic consumers of 45,316 tons or 1,462 tons daily in July, compared with 45,653 tons or 1,522 daily in June and a seven-month daily average of 2,381 tons, compared with 3,673 tons a day in 1948 and 3,791 daily in 1947.

Lead—Some slowing down in demand was noted at the close of the month. This condition was not surprising as the buying movement which started in July has been steady. According to trade reports, total sales for August were substantially above those for the preceding month. It was stated that purchases by the government for the third quarter will show around 60,000 tons and it is expected that around 40,000 tons will be purchased in the fourth quarter.

Bureau of Mines stated that most of the increase in stock lead in May was in pigs and bars which accounted for 65 percent of the total and came principally from Mexico, Canada and Peru. Ore and concentrates, mostly from Australia, Mexico and Bolivia, made up 34 percent of the total lead imported and lead in scrap the remaining 1 percent. Again in May, no base bullion was received.

Quicksilver—Slight increase in demand

COPPER SULPHATE
CRYSTALS AND POWDERED
IRVINGTON SMELTING & REFINING
IRVINGTON WORKS NEW JERSEY

BARIUM HYDRATE
E. M. SERGEANT PULP and CHEMICAL CO., Inc.
7 DEY STREET Established 1857 NEW YORK 7, N. Y.

GEORGE F. SMITH SALES & CHEMICALS CORP.
CHEMICALS
Specializing in
ARSENIC SODIUM CYANIDE
COPPER SULPHATE NICKEL SULPHATE
CRESYLIC ACID STEARATES
CERIUM-LANTHANUM-THORIUM and other RARE EARTH SALTS and METALS
60 East 42nd Street, New York 17, N. Y.
Cable Address Geosmith, N. Y.
Telephones: MUrrayhill 7-5651-2-3-4

TURN TO THOMPSON-HAYWARD for 3-WAY MARKET COVERAGE
• SALES—Assured by 90 highly trained hard-hitting chemical products salesmen.
• SERVICE—By an organization with a long established and carefully-guarded reputation for close cooperation with Mid-West chemical buyers.
• DISTRIBUTION—Through 18 strategically located warehouses that cover the Middle West from Minneapolis to New Orleans and from Chicago to Denver.
HERE ARE A FEW OF THE COMPANIES WE REPRESENT
UNITED DISTILLERS OF AMERICA, INC.
Ethyl Alcohol, Denatured and Proprietary Solvent
HEYDEN CHEMICAL CORP.
Formaldehyde, Benzoates, Salicylates
INNIS, SPEIDEN & COMPANY
Caustic Potash
METALSALTS CORP.
Mercury, Mercury Salts
TENNESSEE CORP.
Ferric Sulphate, Copper Sulphate
TURPENTINE AND ROSIN FACTORS
Canned Gum Turpentine
THOMPSON-HAYWARD CHEMICAL COMPANY
KANSAS CITY, MISSOURI
MINNEAPOLIS, OKLAHOMA CITY, N. LITTLE ROCK, SAN ANTONIO, CORPUS CHRISTI, DES MOINES, DAVENPORT, NEW ORLEANS, ST. LOUIS, HOUSTON, DALLAS, WICHITA, MEMPHIS, CHICAGO, OMAHA, DENVER, TULSA

GREEFF
D.D.T.
•
Acid, Isopropyl and Butyl Esters of 2,4-D
•
Exclusive Sales Agents for MONTROSE CHEMICAL CO.
R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

MURIATIC ACID

18°Bé. and 20°Bé.

Carboys or tank car quantities

CONSOLIDATED CHEMICAL INDUSTRIES INC.

ADDRESS INQUIRIES TO: 940 NELLIE ESPERSON BLDG., HOUSTON 2, TEXAS
OR 630 FIFTH AVENUE, NEW YORK 20, N. Y.

SILICATE OF SODA

40° and 60°

EXPORT - DOMESTIC

TURPENTINE - LINSEED OIL - MINERAL SPIRITS

CHAS. L. READ & CO., Inc. 120 Greenwich St., New York 6, N. Y.

Telephone: WOrth 4-1131

CALCIUM FERROCYANIDE

TECHNICAL

HENRY BOWER CHEMICAL MFG. CO.

30TH & GRAYS FERRY RD. PHILADELPHIA 46, PENNA.

Manufacturers of

Red and Black **COPPER OXIDE**

COPPER SCALE

ROBERT A. COUPE, 260 Rhode Island Ave., Pawtucket, R. I.

Telephone PErry 3254

Hydrochloric Acid

C. P. AND COMMERCIAL

Salt Cake

BAY CHEMICAL COMPANY

A DIVISION OF MORTON SALT COMPANY

1048 CONSTANCE ST., NEW ORLEANS 9, LA.

was noted last week and the tone of the market was a little firmer. It was stated in trade circles that while $75 per flask was still the lowest price, most sellers were not willing to name less than $76 for 100 flask lots. In quantities involving 10 and 15 flasks $78 was named with sales of one flask lots made at $82.

San Francisco.—The quicksilver market has been very quiet, no metal was reported to have moved last week, even in small lots. Metal was quoted at $78 to $80 per flask.

Silver—Higher prices were established last week when sales were made at 73c. an ounce. The advance was attributed to a shortage of spot supplies and an increase in demand from the consuming trades. A strike at a nearby refinery and a consequent reduction in offerings contributed to the current supply shortage.

Silver Bullion Price Range

	Per ounce—New York	Per ounce—London
High	Aug. 25, 1949—73c.	Aug. 24, 1949—44d.
Low	Jan. 1, 1949—70c.	Jan. 1, 1949—42½d.

Tin—According to the secretariat for the international tin study group at The Hague, the world total production of tin concentrates in June, 1949, was 15,600 long tons. The June figure for world total production of tin metal is 14,000 long tons. The world total figure of exports of tin concentrates in June was 9,600 long tons and the world total figure of exports of tin metal was 8,900 long tons. The world total production of tinplate in June was 438,000 long tons.

Zinc—Sales fair to domestic consumers on the basis of 10c. per pound East St. Louis for prime western. Demand was mostly for immediate shipment with buyers inclined to hold back for September pending a clearer idea as to the outcome of the steel wage discussions. Moderate sales for export were reported at 9½c. per pound f.a.s. gulf ports late last week.

Consumption of slab zinc in the United States in May declined 3 percent below the April total, was 10 percent below the 1949 monthly average and was the lowest monthly rate since February, 1946, according to the Bureau of Mines. Consumers' stocks were 16 percent below inventories on April 30 as all industry groups reported substantial stock declines. Smelter stocks of slab zinc were 75,830 tons on May 31 compared to 50,982 tons on hand May 1. Inventories of zinc dust at producers' plants continued downward and on May 31 were 8 percent less than at the beginning of the month. Shipments of zinc dust increased 26 percent over April, whereas slab zinc shipments from smelters were 1 percent below the April total.

Receipts of slab zinc at consumers' plants totaled 36,261 tons or 8 percent less than in April. Gains in receipts of 5 and 10 percent at galvanizing and die casting plants, respectively, were more than offset by losses of 63 and 37 percent in zinc receipts at brass mills and rolling mills. Secondary slab zinc production at 10 operating secondary redistillation plants totaled 2,265 tons, including 472 tons of intermediate, 437 tons of brass special, and 1,356 tons of Prime Western. Production of intermediate and prime Western grades increased but output of brass special grade declined.

ELBERT & CO.

INCORPORATED

SPOT AND FUTURE

Vegetable Black Pigments

White Arsenic

Sodium Sulphide

Crude Naphthalene

(Hot Pressed, 78° - 78.9°)

Ortho Cresol

Sodium Cyanide

2 Broadway, N. Y. C.

DIgby 8-2670

POTASSIUM CHLORATE
SODIUM CHLORATE

Prompt Delivery from New York Warehouse Stocks

DUFF CHEMICAL COMPANY, INC.

342 MADISON AVE., N. Y. 17 • MUrray Hill 7-6502-3-4

Cable Address: "CHEMDUF"

SINGLE NICKEL SALTS

PARAPHENYLENEDIAMINE

AMMONIUM ALUM, LUMP & POWDER

ARTHUR S. LA PINE & CO.

121 W. Hubbard St., Chicago 10, Illinois

BARIUM REDUCTION CORPORATION

SOUTH CHARLESTON 3, WEST VIRGINIA

Manufacturers of

- BARIUM CARBONATE Precipitated
- BARIUM SULPHATE Precipitated (Blanc Fixe)
- SODIUM SULPHYDRATE Liquid and Solid
- AMMONIUM SULPHIDE
- BARIUM HYDRATE
- BARIUM CHLORIDE Crystals and Anhydrous
- SODIUM SULPHIDE Flakes, Solid, Liquid
- HYDROGEN SULPHIDE GAS Liquid
- BARIUM PEROXIDE
- BARIUM OXIDE

FOR INFORMATION ON THE ABOVE LABORATORY TESTED PRODUCTS CALL SOUTH CHARLESTON, W. VA.

Textile and Leather Chemicals

Trading in leather and textile chemicals was reported restricted to moderate quantities for prompt delivery last week. Prices were without change and generally steady for the entire list. Fractional advances were made on potato starch at the mills, while resale material was unchanged. Low grade tapioca starch was firmer and also higher owing to scarcity of stocks here and for shipment from Brazil. Price index was unchanged at 313.2, compared with 373.1 at this time last year.

Demand for corn derivatives was fair at the recent reduction in prices. Consumers purchased moderate lots for immediate and prompt requirements. Higher freight rates will be added to shipments of these materials, effective September 1. Small carryover of potato starch at Maine producing points was closely held and grinders raised quotations 10 cents per 100 pounds, f.o.b. mills, while stocks in the local market were still available at former levels. The supply situation in high and medium grades of tapioca starch has eased and unsettled these grades, while the scarcity of low grade here and at producing centers has stiffened quotations which were lifted 10 cents per 100 pounds last week for spot delivery.

Consuming interest in tanning materials continued inactive. Prices were unchanged, but were merely nominal due to lack of trading.

Cattle hide leather production was indicated at 1,976,000 hides in June, against 1,942,000 hides in May according to Tanners Council. Calf and whole kip skins amounted to 877,000 in June compared with 797,000 in May; goat and kid skins, 3,018,000 against 2,764,000 and sheep and lamb skins, 2,419,000 against 2,214,000.

Cotton consumption was reported at 455,106 bales in July, compared with 600,495 bales in June and 627,462 bales in July, 1948 by the Census Bureau. For the crop year ended July 31 mills consumed 7,797,841 bales against 9,354,392 bales for the same time last year. Cotton consuming spindles active on the last working day of July totaled 19,012,000 against 19,467,000 at the end of June and 21,327,000 on July 31 last year.

Market Trends

Prices Advanced

Potato starch, 10c. per 100 lbs.
Tapioca starch, low grade, 10c. per 100 lbs.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
313.2	313.2	312.8	373.1

(*For Current Prices see Page 9*)

Chemicals

Acetic Anhydride—Moderate quantities were absorbed against contracts. Market was unchanged at former levels.

Bichromates—Withdrawals against former contracts were reported in fairly good volume. New business was light and spasmodic. Prices were maintained at current levels. Export of sodium bichromate and chromate totaled 1,059,103 pounds, valued at $129,321 during May. The largest buyer was Brazil, taking 302,460 pounds. Indonesia was second with 146,600 pounds, and Mexico, 97,562 and Chile 96,436 pounds.

Sodium Acetate—Consuming inquiry was fair, chiefly against current contracts. Inquiry for replacements was reported slow.

Sodium Hydrosulphite—While business was quiet, a steady call was noted for delivery against former orders. Quotations were unchanged and well held. Supplies were adequate to cover demand.

Sulphonated Oils—Trading was confined to small lots for immediate needs. Sulphonated 25 percent was quoted at 6½c. to 7c. per pound and 50 percent 11½c. to 12c. per pound, drums, as to quantity.

Sizing Materials

Blood Albumin—Fair demand was reported for albumin, while interest was slow for dried soluble blood. There was no change in quotations for both materials.

Corn Dextrin—Business was reported fair, chiefly for prompt requirements. Market was steady at the recent decline. Prices were unchanged, but higher freight rates effective September 1 will be added to the current schedule.

Corn Starch—Buying interest was restricted to moderate quantities for prompt delivery. Prices were steady and unchanged. Higher freight rates, effective September 1, will be added to prices on and after that date. Visible corn supply increased 650,000 bushels for the week ended August 20 to 5,763,000 bushels, compared with 1,144,000 bushels for the same time last year, it was reported by the Chicago Board of Trade.

Egg Albumen—Consuming inquiry was fairly active and sales were reported of good volume for prompt needs. Prices were unchanged and well held. Stocks on the spot were not offered freely and were closely held. Edible flake was quoted at $2.15 to $2.30 per pound, as to quantity. Technical ranged from $1.05 to $1.15 per pound, same basis. Egg prices were expected to advance during the Fall months and then start to decline, according to the Department of Agriculture. The department stated that farmers received an average of 45.3 per dozen in mid-July, 1.2c. more per dozen than in June. Prices will continue upward until early Fall, the department predicted, rising to a peak probably lower than last year, but an expected large egg production in the final quarter of the year is likely to result in an easy situation at that time.

Egg Yolk—Scarcity of supplies and good demand continued to keep this market in a firm position. Stocks on spot were reported sold at $1.30 to $1.32 per pound, as to seller, and the market was entirely nominal thereat. Chinese yolk was higher and in demand. Nearby arrival at New York was quoted at $1.15 to $1.20 per pound, duty paid.

Potato Starch—Producers in Maine raised the price of limited holdings 10 points to 6.05c. per pound, paper bags, carlots New York basis. Carryover of starch held by mills, were reported limited and closely held. Prices of supplies were unchanged and quoted by resellers at 7c. to 7¼c. per pound, exwarehouse. Demand was good for spot and prompt delivery.

Rice Starch—Moderate quantities on the spot were in fair demand at unchanged quotations, with sellers naming 10½c. per pound.

Sago Flour—Demand was reported spotty. Market was unchanged and fairly steady. Spot stocks were quoted at 6¼c. to 6½c. per pound, exwarehouse and at 5¾c., carlots, exdock for nearby arrival. Refined flour was quoted at 7c. per pound, exwarehouse.

Tapioca Starch—Interest in high and medium grades lagged, while low continued in active request. Prices of the former were unchanged, but none too steady. Low was firmer and scarce and small stocks were increased to 7.10c. per pound, exwarehouse. High grade was quoted at 9c. to 9¼c. and medium, 8c. to 8¾c. exwarehouse, as to quantity. Tapioca dextrine, pure envelope was easier and available at 16c. per pound, carlots and 16½c. for smaller lots.

Tanning Materials

Cutch—Available supplies for shipment were readily absorbed by tanners. Business continued spotty, owing to the scarcity of offers for replacement. Prices were unchanged and firm. Arrivals of 2,600 bags were noted at New York last week and delivered against contracts.

Divi Divi—Trading was reported inactive. Quotations for shipment were more or less nominal in view of the lack of business.

Mangrove Bark—Conditions in this market were unchanged and quiet. Business was inactive. Offers for shipment were light and restricted to South American material. Offers for shipment from Africa were nil.

Myrobalans—Tanners showed little, if any interest in replacements. Shipments, however, were unchanged and closely held at current levels.

Quebracho Extract—Business was reported inactive. Offers for shipment were liberal at unchanged quotations. Tanners restricted interest to occasional shipment for prompt delivery. Imports of extract totaled 2,223 bags at New York last week.

Wattle—Buying interest continued slow. Market was steady and offers for shipment of bark and extract were maintained at former levels. Arrivals of bark were reported at 1,060 bales at New York last week.

For Late Market Developments, See Page 4

One Pound or a Carload
Albumens
ALWAYS UNIFORM ALWAYS DEPENDABLE
Liquid or dried egg albumens —in every form for every industrial use. Write for samples and quotations.
LARGEST MANUFACTURERS of TECHNICAL EGG PRODUCTS
H. GARTENBERG & CO., Inc.
412-16 W. PERSHING RD.
CHICAGO 9, ILL.
Cable Address: Gartegg

METOL
Monomethylparaminophenol Sulphate
Registered Trade-Mark
TANNIC ACID • GALLIC ACID
(U.S.P. and Technical Grades)
PYROGALLIC ACID • HYDROQUINONE
ZINSSER & COMPANY, Inc.
HASTINGS-ON-HUDSON, NEW YORK

Natural BICHROMATES
NATURAL PRODUCTS REFINING CO.
904 GARFIELD AVE., JERSEY CITY 5, N. J.

EDIBLE — TECHNICAL
EGG ALBUMEN
For Every Purpose or Use
W. WALTER KOCH CO. 408 West 14th St., New York 14, N. Y.
ALgonquin 5-4020, 4021, 4022

STARCHES · SIZES · ADHESIVES
POTATO STARCH & DEXTRINES
TAPIOCA FLOUR & DEXTRINES
SAGO FLOUR — RICE STARCH — WHEAT STARCH
LOCUST BEAN GUM — CASEIN — ANIMAL GLUE
AMERICAN KEY PRODUCTS, Inc.
WOrth 2-7669 15 PARK ROW, NEW YORK 7, N. Y.

The Standard of the Motion Picture Industry
Maas
A. R. MAAS CHEMICAL CO.
4572 ARDINE ST. • SOUTH GATE, CALIF.
"ARMED FOR CHEMICAL SERVICE"
SODIUM SULFITE Anhydrous
SODIUM HYPOSULFITE Diamond
SODIUM CARBONATE MONOHYDRATE
SODIUM THIOSULFATE Anhydrous
PHOTO-PURE SODAS
★ And a complete line of photographic chemicals, including—
GLACIAL ACETIC ACID
HYDROQUINONE
ARMOL
POTASSIUM ALUM
BORAX
BORIC ACID
COMPLETE CATALOG SENT FREE

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
MURIATE OF POTASH
62/63% K_2O ALSO 50% K_2O
MANURE SALTS
20% K_2O MINIMUM
UNITED STATES POTASH CO., Inc., 30 Rockefeller Plaza, New York 20, N.Y.

Sulphate of Ammonia · Nitrogen Solutions · Ammonia Liquor
Anhydrous Ammonia · Arcadian* the American Nitrate of Soda
THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET · NEW YORK 6, N. Y.
Barrett NITROGEN
HEADQUARTERS FOR AMERICAN-MADE NITROGEN
*Reg. U. S. Pat. Off.

PROPER CONDITIONERS PROVE PROFITABLE AND BUILD GOOD WILL
Prompt and future shipments - - Your inquiries invited
Telephones—Lombard 3-2123-4 2288-9
THE DICKERSON COMPANY
DREXEL BLDG. PHILA. 6, PA.

Products of SULPHUR
Uniformly high purity of 99½% or better
TEXAS GULF SULPHUR CO. Inc.
75 E. 45th Street New York 17, N.Y.
Mines: Newgulf and Moss Bluff, Texas

ROTENONE
RESINS OR POWDER
INSECTICIDE SALES DIVISION
ORBIS PRODUCTS CORPORATION
315 PEARL STREET, NEW YORK
FACTORY AND LABORATORY: NEWARK, N. J.

Agricultural Chemicals

No unusual activity featured the market for fertilizer materials last week. August is recorded as a slow month for fertilizers and this year is no exception. Several of the mixing plants are closed for vacations and repairs and will resume operations on September 1. Meanwhile, potash producers are making full deliveries against contracts and the combined movement has an edge over 1948 to date. Ammonium nitrate and sulphate shipments are also going forward in steady volume. Foreign reports noted an advance in Russian ammonium sulphate delivered at Baltic ports, the price showing a substantial premium over the domestic market. Shipments of superphosphate held a fair seasonal average without diminishing stocks to any appreciable extent. Phosphate rock supplies were ample to meet demand. Exporters are expecting an additional inquiry for phosphate rock from Japan to be announced shortly. Only a routine movement could be noted in sodium nitrate.

Dried blood and tankage were purchased by the stock-feed trade but not sufficiently to advance prices. Bone meal remained firm with no easement in the supply for immediate shipment. Fish meal did not uncover any new price changes. Low production kept castor pomace shipments confined to regular contracts. No additional sales were reported in hoof meal.

Fertilizer tax tag sales in 10 states plus tonnage shipments in 3 states reporting to the National Fertilizer Association were somewhat lower during July 1949 than comparable figures reported for the same month a year earlier. The latest monthly reports show a total of 300,600 equivalent short tons—a decline of approximately 12 percent from the corresponding 1948 figure. Both the South and the Midwest showed smaller tonnages this July than last, and only two states—Florida and Indiana—reported increases over July, 1948.

Totals for the first 7 months of the year, however, are considerably higher for the current year than they were in 1948, amounting to over 6,250,000 equivalent short tons as compared with 5,400,000 for the earlier period. Approximately 81 percent of the January-July tonnage was reported by the South which surpassed its 1948 figure by 691,000 tons. The Midwest's cumulative total thus far in 1949 is slightly below that of a year earlier—1,151,000 tons compared with 1,164,000 tons.

Nitrogenates

Ammonium Sulphate—Coke-oven material continued to find a steady outlet at former price levels. According to advices from abroad, Russian sulphate was advanced $5.00 a ton to $65.00 Baltic ports, which looked high, compared with the American market.

Bone Meal—Production has not been sufficient to occasion any easement in the supply for prompt shipment. Demand for stock-feed use was active enough to hold the market firm.

Castor Pomace—No new developments materialized in this market last week. Current production has not been extensive and has been shipped to regular contract consumers.

Dried Blood—Market position quiet and steady with occasional sales to the stock-feed trade at former prices. New York named $10.00 per unit of ammonia and Chicago $10.50.

Fish Meal—Feed interests have supported the market for menhaden meal but the buying movement did not gain enough momentum to advance prices. The 60 per-

Fertilizer Tag Sales: July

	Equivalent tons—July		Jan.-July
	1949	1948	1949
Virginia	10.331	17.411	504.318
South Carolina	8.773	8.768	771.345
Georgia	6.522	10.500	1.022.944
Florida	35.808	28.724	551.271
Alabama	27.052	26.341	903.904
Tennessee	11.285	11.783	372.017
Arkansas	12.255	16.619	279.432
Louisiana	5.542	5.350	190.687
Texas	12.162	22.453	302.010
Oklahoma	6.357	15.750	77.367
Total South	136.087	165.699	4.975.295
Indiana	126.239	117.517	491.559
Kentucky	18.076	34.555	352.491
Missouri	20.198	25.145	306.605
Total Midwest	164.513	177.217	1.150.655
Grand total	300.000	342.916	6.125.950

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
81.6	81.6	81.6	79.7

(*For Current Prices see Page 9*)

per ton and the 65 percent at $180.00, Baltimore area. Scrap was unchanged at $165.00 per ton.

Hoof Meal—No additional business in this material. Last sales were at $7.50 per unit of ammonia, Chicago basis.

Sodium Nitrate—Market situation relatively quiet with sales mostly small but averaging seasonal dimensions. Stocks meeting requirements without difficulty.

Tankage—Market showed no unusual activity last week. Occasional sales reported at $10.00 per unit of ammonia, New York and $10.50 Chicago basis.

Phosphates

Phosphate Rock—Deliveries are going forward from mines in satisfactory volume and there is plenty of stocks to meet demand. It is expected that Japan will be in the market for more phosphate rock later in the year. Regarding the last sale of approximately 105,000 tons to Japan, two thirds have been delivered to date.

Superphosphate—No shortage at present but finding a fair seasonal demand. Improvement in the movement is expected as the year progresses. Prices were unchanged. Producers look for an improved demand starting in the Fall months when many of the smaller mixers who closed down for vacations and repairs will resume operations.

Potashes

Shipments have followed a regular course to contract consumers and the week's movement has been channeled in that direction. Demand for shipments has continued heavy with mixers showing the usual desire to increase commitments. Production is running ahead of a year ago and so are contract deliveries. With the maintenance of output and ample transportation facilities, deliveries have been kept flush with contract schedules.

Los Angeles Fertilizer Market

Los Angeles.—The fertilizer market was still dull with a very slight improvement noted as consumers prepare for Fall planting. Organic materials are scarce and good supplies of sardine meal will not be available until settlement of price disputes in the pilchard industry.

Ruling prices were:—Ammonia nitrate, $73.57 to $74.43 for Canadian material, f.o.b. this city, per ton. Ammonia phosphate, $65.06 per ton for 16/20 grade, f.o.b. this city and $89.56 per ton for 11/48 grade, f.o.b. this city. Ammonia sulphate, $55 in bags f.o.b. this city. Canadian material, $56.06 in bags f.o.b. this city, less $2 in bulk. Blood meal, $8.50 per unit of ammonia at source. Bone meal, $72.50 for steamed 1/30 f.o.b. Los Angeles. Fish meal, $195 to $200 per ton for 60 percent protein Tuna, f.o.b. this city. 65 percent sardine meal not available. Nitrate of soda, $56 per ton in 100-pound bags f.o.b. Los Angeles Harbor. $51 per ton in bulk. Potash muriate, 45.5c. per unit bulk, f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4, 79c. per unit, f.o.b. Trona. Superphosphate, $21.20 to $22.04 in bulk, f.o.b. Los Angeles area. $2.50 extra in bags. Tankage, dry rendered, ground 50 percent protein $6 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Pesticides

Stocks of DDT showed easement in some quarters but continued tight in others. Export demand remained active. No change in list prices was announced. BHC continued definitely short with demand focussed on immediate shipments and production insufficient to meet current requirements and some producers sold through November. Chloropicrin had a satisfactory season with demand emanating from unusual sources both home and export. Production was facilitated this year owing to the availability of chlorine. Demand is now coming in from the grain interests where a large carryover has made fumigation essential. Stocks of chloropicrin have been kept at a level to meet requirements promptly and prices have continued firm. Pyrethrum extract is in short supply at present with inquiry active and market firm.

From present indications, the carryover of synthetic insecticides will be ex-

ceedingly low this season. It was stated that if left over stocks from 1948 had not been substantial, considerable more difficulty would have been experienced in meeting requirements in 1949. Export purchases of DDT and BHC were heavier than usual this year.

In an effort to reduce the present heavy losses from insect infestation in stored grain, the Argentine National Grain and Elevator Commission is considering the extensive use of DDT in handling grain from grower to ship.

Sulphur

Industrial demand continued to hold at satisfactory seasonal dimensions with sales about the same as a year ago. Export inquiry also remained active. Stocks were adequate to meet requirements and prices were unchanged.

Production in Sicily of crude sulphur in 1948 was 108,300 metric tons—a little higher than the 102,182 tons mined in 1947 and well below the annual average of 230,000 tons in the immediate prewar period. Output by the island's mines represented 63 percent of total Italian production in 1948.

Hyman Tradenames Two New Insecticides

Julius Hyman & Co., Denver, has given trade names to two of its insect toxicants, formerly identified by number. Compound 118 will be called "Octalene" and compound 497 will be known as "Octalox." The manufacturer states that both materials are being tested in approximately sixty Federal experiment stations and by a number of state experiment stations, as well as in the territories of Hawaii and Puerto Rico. Tests are being made in eleven foreign countries as well, according to Hyman. The manufacturer expects to be in commercial production of these materials for the 1950 season.

Allen Ends 60 Years With Bemis Bro. Bag

Henry H. Allen, vice-president of the Bemis Bro. Bag Company in charge of its operations in New York, recently celebrated his sixtieth year with the company. He joined the organization in 1889 at Omaha, Neb., and was made superintendent of the Omaha plant two years later. After nine years of production work he transferred to the company's sales organization at its St. Louis headquarters. He subsequently served as manager of the Kansas City and St. Louis plants, was elected secretary and a director in 1912 and was made vice-president in 1921.

Du Pont Shifts Four

—Continued from page 5

placed in charge of tetraethyl lead manufacture at the Chambers Works.

Dr. Holbrook joined the company in 1933 as a research chemist, and has, at various times, served as head of the new products division and as assistant director of the Jackson Laboratory at Deepwater Point. Dr. Cole, who is currently general assistant production superintendent at the Chambers Works, joined the du Pont organization in 1929.

Mr. Thompson joined the organization in 1931 and went to the Chambers Works in 1934. He served as superintendent of neoprene production there before becoming rubber chemicals production manager in 1946. Mr. Ridlon started with the company in 1929 and held various executive positions in tetraethyl lead manufacture at the Chambers Works and at Baton Rouge, La., before becoming assistant manager and then manager of the Louisville plant.

Phillips Names Krueger

—Continued from page 5

building, Norfolk. He has also been associated with the International Minerals & Chemical Corporation.

Mr. Evans, who will handle sales distribution of the company's ammonium sulphate, ammonium nitrate, nitrogen solutions and anhydrous ammonia from offices in the Commerce building addition, Houston, was formerly agricultural agent for the Katy Railroad. Mr. Peck joined the research and development department of Phillips Petroleum Company in 1939, and has recently been engaged as a manufacturers agent in the liquefied petroleum gas marketing field.

Trade Briefs

Chase Bag Company's employees at Reidsville, N. C., were recently honored for having completed 500,000 continuous working hours without an accident.

Fertilizers imported into Eire during the first quarter of 1949 were valued at £1,148,281, compared with £635,085 in the corresponding period of 1948.

American Can Company has leased more than six entire floors of a new building under construction at 100 Park avenue, New York.

CMC
Formic Acid
Sulphuric Acid
Acetic Acid
Caustic Potash
Soda Hydrosulphite
Carbon Tetrachloride
CHEMICAL MFG. CO.
NEW YORK • SAN FRANCISCO

AGRICULTURAL NITROGEN
MODERN PRODUCTS TO SUPPLY THE INCREASING DEMANDS FOR FERTILIZER MATERIALS
SPENSOL
(Spencer Nitrogen Solutions)
AMMONIUM NITRATE FERTILIZER
ANHYDROUS AMMONIA
let us tell you more
SPENCER
SPENCER CHEMICAL COMPANY
Executive & Sales Offices: Dwight Bldg., Kansas City 6, Mo.

2,4-D
ACID AND SODIUM SALT
• Tech. Isopropyl Ester
• Tech. Butyl Ester
• Tech. Methyl Ester
• 44% Isopropyl Ester Solution
• 40% Butyl Ester Solution
• 40% Triethanolamine Salt Solution
DDT
100% TECHNICAL GRADE
• Emulsifiable Solutions
• Wettable Dust
KOLKER CHEMICAL WORKS, INC.
80 LISTER AVENUE NEWARK 5, N. J.

AMMONIUM SULPHATE
AMMONIUM NITRATE – SUPERPHOSPHATE
HAnover 2-0364 CHEMATAR INC. 40 EXCHANGE PLACE NEW YORK 5, N. Y.

PARNOL
A HIGHLY EFFECTIVE DETERGENT AND WETTING AGENT
PARNOL is a spray-dried, free-flowing, non-hygroscopic white powder with little or no odor, stable in ordinary percentages of acid or alkali solutions. Gives high and lasting foam in hard or soft water. Active matter 41.25% (dry basis).
Ask for Sample and Leaflet
JACQUES WOLF & CO.
MANUFACTURING CHEMISTS AND IMPORTERS
PASSAIC, N. J.

99.9%
POTASSIUM CHLORIDE
Refined
Potash Salts of High Quality
MINED AND REFINED AT CARLSBAD, NEW MEXICO
Sul-Po-Mag®
Water-Soluble
Double Sulfate of Potash-Magnesia
Muriate of Potash
Sulfate of Potash
POTASH DIVISION · INTERNATIONAL MINERALS & CHEMICAL CORPORATION
General Offices: 20 North Wacker Drive, Chicago 6

Barrett*

LIGHT OIL DISTILLATES

AVAILABLE IN TANK CAR, TANK WAGON OR DRUM DELIVERY FROM STRATEGIC POINTS THROUGHOUT THE COUNTRY

Benzols

Nitration Benzol
Industrial 90% Benzol
Industrial Pure Benzol • Thiophene-Free Benzol

Primary source of the organic chemicals which are the basic raw materials of the plastic, synthetic rubber, dye, and pharmaceutical industries. Very high-solvency, low-boiling solvent used in the protective coating, rubber, petroleum refining and textile industries.

Toluols

Nitration Toluol • Industrial Pure Toluol

Primary source of many organic, aromatic, intermediate chemicals. Low-boiling, high-solvency solvent and diluent used in the protective coating, rubber, textile and petroleum refining industries.

Xylols

Nitration Xylol (3° Xylol) • Ten Degree Xylol
Five Degree Xylol • Industrial Xylol

Source of chemical intermediates for dye and other industries. Intermediate-boiling, aromatic solvent used in the protective coating, rubber, printing, insecticide, vitamin and textile industries.

SOME OTHER BARRETT PRODUCTS

Anhydrous Ammonia in Tank Cars or Cylinders
Ammonia Liquor—Sulphate of Ammonia
Ammonium Nitrate—Arcadian*Nitrate of Soda
Ammonium Nitrate Ammonia Solutions
Crystal Urea

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET, NEW YORK 6, N. Y.

Barrett

Coaltar Chemicals

Pricewise, there was little of interest in the market for coaltar chemicals last week, but the big news was that business seemed to have taken a definite turn for the better. It was agreed by a number of producers that materials which had been in a sluggish demand position for months were now on the upswing.

Just how long this would last and how far it would go was something that could not be foretold. It had been expected that the Fall would see a better tone in the market but it was stated frankly by some producers that they were surprised to see the improvement so early. Some attributed it to generally better business conditions and the fact that the Summer was drawing to a close. Others thought part of the increased demand was the result of fears that there would be a steel strike following the end of the truce in the industry next month and that consumers were putting away stocks in the event the strike should actually come about.

Benzol and toluol continued in a strong demand, with toluol approaching true tightness of supply. Xylol, of course, was tight, but that was not unusual. It was said that creosote showed promise of moving in better volume. Phthalic anhydride was much improved and the industry was particularly encouraged by this. The material had been in a slump since the first of the year and although it was expected that there would be some improvement, the gains were not anticipated quite so early in the season. Better conditions were also noted in the market for a number of the intermediates that had been in a quiet position for some time, partly as a result of better business conditions and partly as the result of plants re-opening after Summer vacation shutdowns.

Steel production was up slightly for the week. The American Iron and Steel Institute reported that companies having 94 percent of the production capacity of the industry were scheduled to produce at 84.8 percent of capacity. This was equivalent to 1,563,300 tons of ingots and castings for the week, as compared to 1,539,300 tons for the previous week, 1,728,600 tons for the corresponding week a year ago and 1,281,210 tons for the average week of 1940, the highest pre-war year.

Basic Products

Benzol—The demand for this material continued to be felt at a good rate during the past week, as it had been during the more recent past. It gave promise of holding up for some time to come. The supply of the material was sufficient for the demand but there was no appreciable excess of the item. Suppliers generally considered that the situation of supply and demand was about balanced. The recent lowering of operations in the steel industry plus the fact that many industrial plants had been shut down for vacations a short time ago had their effect in making the supply of this material none too abundant. There were no changes reported in the price structure of the material and there were no signs that would indicate that there were any revisions under way at this time.

Coaltar—The demand for this material was reported to be about so-so during the past week. It was not greatly better or worse than it had been in the recent past. The supply was generally sufficient to satisfy the market and there were no particular difficulties anticipated as far as the availability of the item was concerned. There had been some concern expressed when steel operations dropped a short time ago, but since they later began to climb back, it was felt that there would be sufficient of the material to meet the needs of consumers. Some consideration was also being given to the present steel truce, which will run until September 14. Users of coaltar were hoping that after that date there would be no cessation of production in the steel industry, for such a turn of events would bring with it a shutdown on a major source of raw material. There would probably be the usual backlog of the raw material that the industry tries to carry along, but should worse come to worse, this could not last forever and eventually the pinch would be felt. For that reason, the industry was keeping an eye on the 14th of September and at the same time hoping for the best.

Creosote—Marketwise, there were no particular changes noted for this product during the past week. Supplies continued to be on the long side, and the demand for the material, while at reasonably good levels, was still not enough to absorb all that was available. The domestic production rate was still pretty high and there was considerable of the item coming in from abroad. This meant a more than ample supply and it would take a considerable demand to take all of it off the market. Sellers were moving their goods in reasonably good quantities and the railroads and utilities this year were in the market for a bit more of the material than they were expected to take early in the year. This material had been in something of a slump during the early part of the year and at that time some sellers were doubtful that it would recover at all during the year, but at present it was better than some of them had hoped it would be. In some quarters it was thought that the sales of the material during the balance of the year might even go higher than they are at present. Following recent adjustments in the price schedules, the listings during the past week were unchanged and there were no suggestions that there would be any revisions in the near future.

Cresol—As far as supply and demand were concerned, there was little change to be noted in the market for this material during the past week. Reports were that there was still a considerable amount of the imported material on the market, and was being offered at widely varying prices. Regarding the domestic material, there were no changes reported in the price structure during the past week and there were no indications that there would be any for the immediate future.

Cresylic Acid—Pricewise, this material held to its former levels during the past week and there were no suggestions that there would be any changes in the schedules in the immediate future. Supply and demand were reported to be about what they had been in the recent past. Imported material was still on the market in considerable quantities and was being offered at varying prices.

Naphthalene—Supplies of both the crude and refined material were reported to be continuing at adequate levels during the past week. Refined material was not being turned over at an especially brisk pace but it was thought that should there be a pickup in the textile industry, there would come about increased buying of the crude. Prices were reported to be holding at their previously established levels and there were no signs that there would be any immediate revisions in the listings. In a month or so, it was expected that there would be an increase in the sale of the household material. This would probably not bring turnover up to where it was during the Spring, since sales of mothproofing material are generally better during the early part of the year than they are during the Fall months. However, there was some increase expected There had been some talk of price revisions for this material but one of the largest producers said it could forsee none until October, if at all. Another said there seemed to be no immediate prospects of new prices, and was not considering any at this time.

Phenol—No price changes were reported for this material during the past week and there were no signs that there would

Market Trends

Prices Advanced
None
Prices Reduced
None
Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
110.4	110.4	110.4	154.6

(*For Current Prices see Page 9*)

Coke By-Products

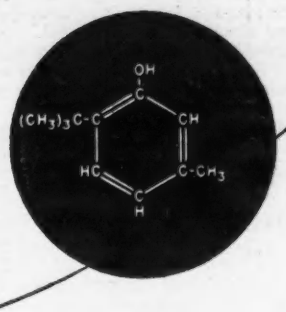
Estimates of by-product cokeoven operations in the week ended July 30 indicate the following output of by-products from that source:—

Ammonia liquid, NH_3	lbs.	938,501
Ammonia sulphate	lbs.	26,891,711
Benzol	gals.	3,488,792
Coaltar	gals.	12,571,328
Creosote oil	gals.	699,621
Naphthalene, crude	lbs.	1,661,601
Phenol	lbs.	196,768
Toluol	gals.	677,758
Xylol	gals.	153,402

For Late Market Developments, See Page 4

KOPPERS MBMC

Mono-tert-butyl-meta-cresol



POTENT GERMICIDE

Koppers Mono-tert-butyl-meta-cresol (MBMC), a clear, liquid alkylated phenol, is a powerful germicide. It has phenol coefficients of 30 and 50, as measured against test organisms such as Eberthella typhi and Staphylococcus aureus. These high phenol coefficients make Koppers MBMC valuable in the formulation of disinfectants and antiseptics, in the stabilization of emulsified cutting oils, and in the preservation of proteinaceous materials.

REACTIVE INTERMEDIATE

This versatile synthetic organic chemical closely resembles thymol in structure, with the isopropyl group of thymol replaced by the tert-butyl group of MBMC. It will undergo most of the reactions typical of the lower alkylated phenols. As an intermediate, Koppers MBMC is useful in the production of rubber antioxidants and rubber processing chemicals, lubricating oil additives, synthetic resins and for the manufacture of the perfume fixative musk ambrette.

Physical Properties of the Pure Compound

Freezing Point	23.5°C.
Boiling Point, 760 mm	244°C.
Specific Gravity, 80°C	0.922
Hydroxyl Number (theory)	342

KOPPERS

Write for this bulletin and samples

Bulletin C-9-130 and experimental samples of Koppers MBMC may be obtained by writing to Koppers Company, Inc. Chemical Division, Dept. OP-8-29, Pittsburgh 19, Pa.

KOPPERS COMPANY, INC.

Chemical Division • Pittsburgh 19, Pa.

be any in the immediate future. The supply of the item continued to be good although there was still something to be desired as far as the demand was concorned. However, the industry was looking for an upswing in the resin, plastics and adhesive industries, feeling that a pickup there would naturally bring about a better turn in business in the market for phenol.

Pyridin—Demand for the pharmaceutical material during the last week continued to be felt at the strong levels that have been noted for some time past, but the supplies of the item were not strong enough to make the material easily available. With the denaturing grades, the situation was the other way around. The supply was reported to be easy but there was still something lacking as far as the demand for the item was concerned. There were no changes reported in the price schedule nor were there any indications that there would be any immediately.

Solvent Naphtha—Pricewise, there were no changes reported in the market for this material and during the week there were no suggestions that there would be any changes for the time being at least. As far as the supply and demand picture was concerned, the product showed no particular change from its position in recent weeks.

Toluol—Supplies of this product were still reported to be tight during the past week and the indications were that they would stay that way for some time yet. Some producers were said to be shipping out of production with the result that in some cases consumers were being forced to wait for delivery. Demand for the material continued high and showed no signs of tapering off. This situation was considerably different from the situation in the early part of the year, when the material was more readily available and not in so strong a demand. The industry was hoping against a steel strike come the middle of September, for that would make the material even tighter. Pricewise, the item was holding to previously established levels during the past week and there were no suggestions that there would be any revisions in the future.

Xylol—Tightness still prevailed in the market for this material during the past week and the indications were that it would continue for some time to come. Normally, there is generally some tightness in this market, but recently the demand for the item had been going up and the supply was somewhat hampered by the decreased activity in the steel industry a few months ago and the shutdowns of a number of industrial plants for Summer vacations. If, after the present truce in the steel industry ends, there should be a steel strike this material would probably become extremely tight. At the moment, however, the industry was hoping against that and was still holding prices at the previousiy established levels.

Intermediates

Alphapicoline—Prices were still holding on this material during the past week. Demand, however, was said to be at not very high levels, having in the recent past shown some falling off. Supplies were sufficient for normal demand.

Cyclohexylamine—As far as price was concerned, there were no changes to be noted in the market for this material during the period under review. The supply of the item was said to be ample for the needs of the market.

Dichlorophenol—Stocks of this material continued at a level sufficient to satisfy the demand during the past week. Prices were still holding and there were no suggestions that there would be any revisions in listings in the immediate future.

Metanitroparatoluidin — Recently the demand for this material had been reported a bit on the weak side, but the main reason for that seemed to be that a number of industrial plants were shut down for Summer vacations. Last week it was reported that the demand was showing signs of going on the upswing. Stocks were said to be ample to satisfy normal ordering. The price range was reported unchanged during the period, and there were no indications that there would be any immediate changes.

Nitrobenzene—Although the demand for this material was reported by some sources to be a bit spasmodic, it was in about a balanced position with the supply. There were no changes noted in the price range and there were none indicated for the immediate future.

Paranitroanilin—The demand for this item in the recent past had been somewhat slow, but as of last week is was said that the material was showing signs of picking up. The gains were not of any appreciable amounts, but some felt that they

REPUBLIC BENZOLS

1° – 2°

REPUBLIC STEEL

ALSO

TOLUOLS Nitration — Commercial

XYLOLS 3° — 5° — 10° — Commercial

AMMONIUM SULPHATE

CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL

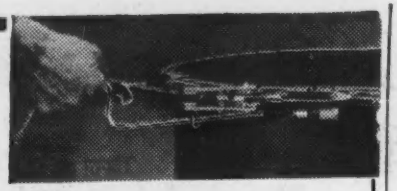
CORPORATION

General Offices • Cleveland 1, Ohio

BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Birmingham, Alabama • Canton, Ohio • Chicago, Illinois • Cleveland, Ohio • Gadsden, Alabama • Massillon, Ohio • Warren, Ohio • Youngstown, Ohio

For SAFE CLOSURES of Full Removable Head Drums Use DRUM PARTS SYSTEM — Closing Tool Remains on Drum Until Bolt is Tight!



DRUM PARTS SYSTEM was designed to make it easy to insert the bolt in the lugs on the ring and to tighten the bolt after it has been inserted.

Note in the illustration that the wrench which is a self-contained part of the "SPIN-SEAL" Closing Tool is instantly ready to tighten the bolt, after it has been quickly inserted in the lugs.

DRUM PARTS SYSTEM makes it easier and quicker to do the job the right way—to tighten the bolt while the ring is held firmly in the proper position—not after the tension has been released.

Closures made by the DRUM PARTS SYSTEM are secure every time—and they're made in less time, too.

LITERATURE, SPECIFICATIONS AND QUOTATIONS SENT ON REQUEST

DRUM PARTS, INC.
10311 MEECH AVE. CLEVELAND, OHIO

WOODWARD COAL CHEMICALS
Produced at our own plant to A.S.T.M. Specifications

BENZOL Nitration • Industrial	**TOLUOL** Nitration	**XYLOL** Industrial
CRUDE NAPHTHALENE	**CRUDE PYRIDINE**	**AMMONIUM SULPHATE**

WOODWARD IRON COMPANY • WOODWARD, ALA.
General Sales Offices: 1515 First National Building, Birmingham, Alabama • Phone 4-6786
Independent Since 1882

BETHLEHEM COAL CHEMICALS

BENZOL (nitration, industrial, motors) **TOLUOL** (nitration and industrial) **XYLOL** (industrial)

CRUDE NAPHTHALENE

CRUDE HEAVY SOLVENT NAPHTHA

CRUDE PYRIDINE

AMMONIUM SULPHATE

From plants at Sparrows Point, Md.; Lackawanna, N. Y.; Bethlehem and Johnstown, Pa. Nearby points served by convenient tank-wagon delivery.

Other Bethlehem products for the chemical industry:
Forged pressure vessels • Welded pressure vessels • Chemical-plant equipment • Sheets • Alloy studs • Hot-forged nuts • Pipe • BethColite (hot-dipped tinplate) • Electrolytic tinplate • Special-coated manufacturing terne plate

BETHLEHEM STEEL

For full details, write or call Bethlehem Steel Company, Bethlehem, Pa., or nearest district office.

served as an indication of what the material might do. The supply was reported to be sufficient for the demand, and the item held to its old level on price, with no suggestions of any immediate revisions.

Phthalic Anhydride—Producers of this material generally felt during the past week that the market had taken an upward swing as far as the demand was concerned. Although phthalic went into the doldrums at the first of the year and stayed there for many months, there was a decided pickup to be noted in the last month or two. All plants were still not at capacity production, but they were moving their material faster than they had been doing. Alkyd resin people were reported to be taking more of the material, along with other users. In some quarters it was thought that this pickup was brought about by a generally better tone in industry, although one quarter last week ventured the opinion that some users feared there might be a steel strike at the end of the September truce, and for that reason were laying away stocks of the material. Sellers were expecting some increase in phthalic business this Fall, but the present rise is about thirty to sixty days early. Prices on the material held at their previously noted levels during the past week, and there were no suggestions that there would be any revisions for the time being.

Obituaries

A.L. Ivey

A. L. Ivey, president and former general counsel of the Virginia-Carolina Chemical Corporation, died recently in Richmond, Va., as he was boarding a train for New York to attend a meeting of the company's board of directors. He was sixty-five years old.

As president of Virginia-Carolina, he increased its activities from a fertilizer concern to a general chemical company. He was graduated from the University of Georgia in 1908 and became a teacher of natural science. Later he was commandant of Georgia Military College. In 1915 he received his law degree from Columbia University and became assistant to the solicitor general of the Atlanta, Ga., judicial circuit. He then practiced law in Richmond and joined the chemical company in 1918. He started in the legal department and several years later was made general counsel. In 1932 he became vice-president and general counsel and three years later became president and general counsel.

T.L.B. Lyster

T. L. B. Lyster, former chief engineer of the Hooker Electrochemical Company, Niagara Falls, N. Y., died recently of a heart attack. He was seventy years old.

At the time of his death he was a consulting engineer, for Hooker. He joined the company in 1907 as a construction engineer, when the concern was known as the Development & Funding Company. During the first World War he served as a lieutenant colonel in the Army Engineering Corps. He returned following the war as a director of development. From 1922 to 1932 he devoted a large part of his time to the pulp industry, serving as a consultant to Hooker in the meantime. From 1937 until last year he was chief engineer.

Saunders Norvell

Saunders Norvell, former chairman of the board of McKesson & Robbins, Inc., and former head of the Norvell Chemical Corporation, Perth Amboy, N. J., died August 25 in Mount Vernon, N. Y. He was eighty-five years old.

Mr. Norvell had been prominent in the hardware business prior to joining McKesson & Robbins in 1914. He served as chairman of that firm until 1926, when he took over the presidency of the Remington Arms Company, which he guided until it was sold to E. I. du Pont de Nemours & Co. in 1933. He also headed the Norvell Chemical Corporation and was chairman of the board of Ingersol & Norvell, Inc., and the Hostetter corporation.

J. Elmer Thomas

J. Elmer Thomas, mining geologist and oil man, was recently found dead in his hotel room in Fort Worth, Texas, apparently having suffered a heart attack. He was fifty-seven years old.

He returned recently from Italy where he had been investigating the oil reserve of the Po Valley for the Italian government. He became a mining geologist after graduating from the University of Chicago. In 1930 he served as a member of the volunteer committee on petroleum economics for the Federal Oil Conservation Board. Later he was associate chief of the fuel section of the Office of Price Administration. From 1941 to 1943 he served as special assistant to Ralph K. Davis, Deputy Petroleum Coordinator.

Stephen J. Carroll, an employee of the construction division of the General Aniline & Film Corporation at Linden, N. J., died August 24 in Alexian Brothers hospital, Elizabeth, N. J. He was forty-four years old.

Dr. Walter A. Hynes, president of the Metropolitan Microchemical Society and a professor of analytical chemistry at Fordham University, died recently in St. John's hospital, Yonkers, N. Y. He was fifty-two years old.

Frank J. Jones, assistant secretary-treasurer of Union Carbide & Carbon Corporation, died recently after suffering a heart attack while attending church services at Little Neck, N. Y. He was fifty-six years old.

Louis Platt, retired auditor for the Standard Oil Company of Indiana, died recently in Los Angeles. He was eighty years old.

Walter G. Scharmann, a chemical engineer with the Standard Oil Development Company, Linden, N. J., died August 24 at his home in Westfield, N. J. He was forty-five years old.

William F. Thies, manager of the candy division of the Whelan Drug Company, died recently at St. John's hospital, Brooklyn, N. Y. He was forty-eight years old.

Mrs. Florence Palmer Weicker, widow of Theodore Weicker, former chairman of the board of E. R. Squibb & Sons, died recently at her Summer home in Southampton, L. I., N. Y.

CRESYLIC ACID
Highest Grade
For Disinfectants, Plastics, Textile Chemicals, etc.
English Imported Cresylic Acid, 99/100% pale
WRITE, WIRE OR CALL, TODAY
SPOT — NEARBY — CONTRACTS
CONCORD CHEMICAL COMPANY
MOORESTOWN, NEW JERSEY Moorestown 9-1100

CHAS. PAGE & CO., Inc.
PHENOL USP
CRESYLIC ACID, ADF CRUDE NAPHTHALENE
PHTHALIC ANHYDRIDE
50 EAST 42nd STREET, NEW YORK 17, N. Y.
VANDERBILT 6-8900 CABLES: NIMPAGA

United States Steel can supply you with all these Coal Chemicals

Because we control every step in their manufacture . . . from mining of the coal to final processing . . . you'll find United States Steel a good source of supply for all these products.

Our large-scale operations assure you uniformly high quality. And U. S. Steel has built a reputation for prompt service, enabling customers to maintain only enough stock for their immediate needs.

For quality and service, order chemicals that bear the familiar U·S·S label. We'll be glad to send you specifications and prices on any of these products without obligation. Mail the coupon below.

COAL CHEMICAL SALES DIVISION
United States Steel Corporation Subsidiaries
71 Broadway, New York 6, New York

Mail this coupon for information and prices

Coal Chemical Sales Division
United States Steel Corporation Subsidiaries
71 Broadway, New York 6, New York

Gentlemen:

Please send complete information on the following products:

☐ Benzol ☐ Toluol ☐ Xylol ☐ Naphthalene ☐ Phenol ☐ Cresol ☐ Cresylic Acid ☐ Pyridine ☐ Creosote Oil ☐ Ammonium Sulphate ☐ Picolines

Name.....

Company.....

Position.....

Address.....

USS **COAL CHEMICALS**

UNITED STATES STEEL

PAN AMERICAN CHEMICALS

PANASOL RX-3
PETROLEUM AROMATIC SOLVENT

A dependable high-quality hydrocarbon solvent widely used in paints and enamels. The full range solvency and medium rate of evaporation makes this solvent ideally suited for a wide range of applications.

BOILING RANGE: 275-375°F
FLASH POINT: 80°F Min.
K.B. SOLVENCY: 75 Min.

Available for Prompt Delivery
Tank Cars - Drums

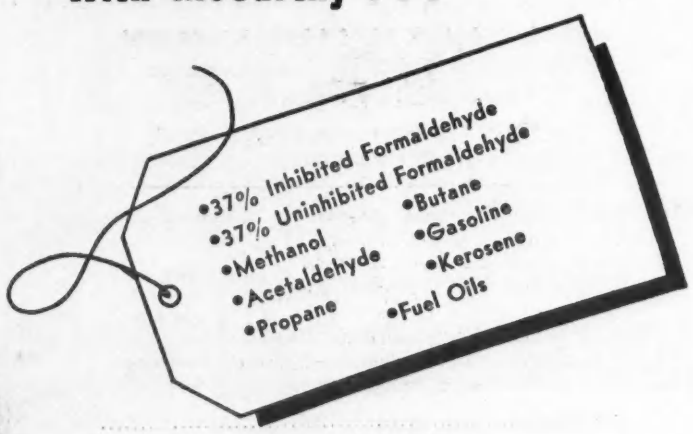
Why not check with PAN AMERICAN for your aromatic solvent requirements *today?*

PAN AMERICAN Chemicals
DIVISION
Pan American Refining Corp.
122 EAST 42nd STREET, NEW YORK 17, N.Y.
Plant: Texas City, Texas

ULTRA-PENN
Specialists in quality
PETROLATUMS — WHITE OILS
for every purpose
Ultra-Penn Refining Co., Butler, Pa.

A GLENN McCARTHY ENTERPRISE
McCARTHY

Time To Talk '50 With McCarthy . . .



Now's the time to talk '50 with McCarthy. Look to McCarthy Chemical Company for 1950 contract requirements—consult McCarthy about your needs. Write, wire or call today.

McCarthy Chemical Company
SHELL BUILDING HOUSTON, TEXAS
Teletype HO-181 Phone: Preston 7204

Petroleum Derivatives

Optimism keynoted the market for petroleum derivatives last week, as demand for both aromatic and aliphatic materials continued on the rise. Call for lighter fractions was reported slow to moderate. Tetraethyl lead anti-knock compounds for gasoline were increased 3½ percent to 5 percent, effective October 1. Prices were otherwise steady.

Domestic and export demand for petroleum aromatics continued on the upgrade during the period, and sellers remained confident of good business conditions this Fall. Stocks were ample all around. There were no price changes.

Higher boilers and blends also showed signs of improvement both at home and abroad. Availability continued good. Listings were stable.

The rise in aliphatics demand was somewhat milder. Although the increase did not yet amount to a rush of business, suppliers believed that this indicated considerable improvement in market conditions later on. Offerings were excellent. These materials were quotationally without feature.

The Texas Railroad Commission, as previously predicted, raised September allowables in that state 132,268 barrels daily, the first boost in the production rate this year.

Market Trends

Prices Advanced
None
Prices Reduced
None
(*For Current Prices see Page 9*)

Solvents and Diluents

Aromatic Solvents—Sellers of petroleum toluol and xylol remained optimistic last week, as the pace of business continued to gain momentum. Domestic sales, particularly to the protective coatings industry, were still on the upgrade. Foreign buyers were similarly active. Stocks were ample in all areas. The price structure was without change. No developments in this regard were expected within the immediate future unless the crude oil market took an unexpected turn downward.

Call for higher boilers and blends was likewise better. Most sellers reported that sales had taken a definite upturn. At least one maker, who has reported good business all Summer long, indicated that there was no diminution of interest. Supplies were plentiful. Prices were firm.

Cleaners' Naphtha—Listings remained steady during the past seven-day period, holding at 14c. per gallon, East Coast; at 13c. Philadelphia, and at 10⅞c., group 3. Meanwhile, demand for this aliphatic solvent continued to pick up. It was emphasized that this increase still did not amount to a rush of business, although it gave considerable promise of better things to come. Offerings continued excellent.

Lacquer Diluent—Consumer inquiry in this section was also better last week, as lacquer makers continued to step up their production. Prices held steady at 16c. per gallon, East Coast, and at 11⅛c. to 12⅛c., group 3. The supply situation remained ample in all areas.

Mineral Spirits—Philadelphia quotations for tankcar quantities continued at 13c., while 14c. per gallon prevailed at other East Coast points. Group 3 sellers remained at 9⅞c. to 10⅜c. per gallon. Consumer inquiry continued on the rise. Last week's improvement in business, though slight, was still viewed as clear-cut indication of a promising Fall. Stocks were on a par with previous levels.

Rubber Solvents—Call continued to show improvement during the period under review. Sales were still not heavy volume-wise, but they gave promise of better things to come later on. Prices were maintained in all areas. East Coast sellers quoted 15c. per gallon, while group 3 producers listed the material at 10⅜c. to 11⅜c. Supplies were in excellent availability all around.

Stoddard Solvent—There was no change in the price structure during the past seven days. With the exception of Philadelphia, where the price was 13c., tankcars commanded 14c. per gallon along the East Coast. In group 3, quotations ranged from 10⅜c. to 10⅞c. Demand continued on the rise, with prospects of further improvement in subsequent weeks. Stocks were excellent.

V. M. & P. Naphtha — There was no dearth of this material in any quarter during the past week. The volume of business continued to go up slightly. Prices held steady at 15c. per gallon, East Coast, and 10⅞c. to 11⅜c., group 3.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended August 13 totaled 268,730,000 barrels, according to the Bureau of Mines. Compared with the total of 267,714,000 barrels for the preceding week, this represents an increase of 1,016,000 barrels, comprising an increase of 871,000 barrels in stocks of domestic crude and an increase of 145,000 barrels in stocks of foreign crude.

Lighter Fractions

Butane—Prices held steady at 3½c. per gallon in the group 3 area last week. Consumer inquiry remained weak for the most part, but sellers expected a rise in demand the early part of next month. Stocks were good everywhere.

Heptane—Buying interest was only fair during the past seven-day period. The supply position remained on a par with previous levels, continuing good. The price structure was similarly maintained at 12½c. to 13½c. per gallon, group 3.

Hexane—This section was without special feature during the past week. Demand remained moderate. Stocks were plentiful in all areas. Prices were without variance, continuing at a range of 13½c. to 14½c. per gallon, group 3.

Pentane—Call for this lighter fraction was still only fair during the past seven days. The supply position remained excellent. There was no change in prices, and none was expected within the immediate future. Group 3 sellers quoted 10½c. to 11½c. per gallon.

Propane—Demand remained on the sluggish side during the period. Sellers looked for a rise in inquiry within the next few weeks. Stocks were plentiful. Prices held steady at 2½c. per gallon, group 3.

Miscellaneous Materials

Crude Oil—In line with previous predictions, the Texas Railroad Commission last week granted the first 1949 increase in Texas oil allowables. The September production rate was set at 2,077,905 barrels per day, a boost of 132,268 barrels daily above the current allowable of 1,945,637 barrels. The hike was effected by increasing the number of producing days by one, giving an eighteen-day statewide producing schedule and sixteen days in the East Texas field.

The American Petroleum Institute reported daily average crude-oil output for the week ended August 13 at 4,723,000 barrels, or 53,000 barrels above the total of the preceding week. Daily average crude runs to stills of 5,227,000 barrels were 39,000 barrels above the level of the preceding week. Runs of foreign crude amounted to 451,000 barrels daily, compared with 438,000 barrels in the preceding week.

Importations during the past seven days totaled 26,154 tons and 886,807 barrels of crude petroleum from Mena El Ahmadi, Caripito and Puerto La Cruz.

Fuel Oil—East Coast prices on home heating fuels stabilized at higher levels during the week in the wake of recent increases. Imported were 136,373 barrels of fuel oil from Curacao and Aruba.

Natural Gasoline—The Bureau of Mines reported the daily average production of natural gasoline and allied products for June at 16,735,000 gallons, a slight decrease under May. Total stocks dropped 16,282,000 gallons during the month (an increase of 2,310,000 gallons at refineries and a decrease of 18,592,000 gallons at plants and terminals).

Tetraethyl Lead — Increases ranging from 3½ percent to 5 percent were announced for anti-knock compounds last week, the new prices to become effective October 1. Fourth-quarter quotations on motor mix will range from 57.7c. to 58c. per pound of tetraethyl lead content, while aviation compound will bring 63.2c. to 63.5c. per pound of tetraethyl lead content. The advances were attributed to recent rises of about 26 percent in metallic lead and 10 percent in freight rates.

Los Angeles Petroleum Market

The solvent and diluent market continued steady with no change in price during the past

For Late Market Developments, See Page 4

week. Cleaning solvent was quoted from 15.5c. to 19.5c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin; lacquer diluent, 16.5c. to 20.5c., same basis, and stoddard solvent, 15.7c. to 19.5c., same basis.

Local market in lighter fractions continues dull with little demand for existing supplies. Propane was quoted from 8.8c. to 9.3c. per gallon, tankcar, f.o.b. Los Angeles basin. Butane was named at 9.3c. per gallon, same basis.

Good supply for all grades of high-melting point paraffin was reported with demand steady. No change in prices with quotations as follows:—140-147 ASTM, carload, loose slabs, f.o.b. shippers refinery, San Francisco, 6.95c. per pound; 146-148 ASTM, same basis, 7.15c. per pound, and 157-162 ASTM, same basis, 7.6c. per pound. Tankcar prices quoted at 6.6c., 6.8c. and 7.25c., respectively.

Richfield Oil Building New Office, Laboratory

Richfield Oil Corporation has under construction a new office building, laboratory, tool room and maintenance room, representing an addition of more than $150,000 to the present $500,000 headquarters in Bakersfield, Calif. The additions are expected to be completed by December, according to C. K. Curry, northern division superintendent.

The expansion program was made necessary, was said, by the development of the company's new Cuyama Valley field, one of the largest new oil field discoveries in recent times. A number of employes in the pipe-line and gas department will be transferred to the new section from the southern division.

Warwick Wax Named Paraffin Sales Agent

The Warwick Wax Company, subsidiary of the Sun Chemical Corporation, has been appointed exclusive distributor of paraffin to be produced at the Coffeyville, Kan., refinery of the Consumers Cooperative Association, Kansas City, Mo. The paraffin units, which are expected to start production during the last quarter of this year, will manufacture fully refined paraffin in ranges from 128 degrees to 165 degrees.

Trade Briefs

Victor R. Rose has been appointed a vice-president and director of the International Petroleum Company, Ltd., an affiliate of the Standard Oil Company (New Jersey.) He has been manager of the Colombian branches of the National City Bank of New York.

Crude Oil production in Saudi Arabia during July amounted to 12,431,050 barrels, or an average of 401,002 barrels per calendar day, it was announced by the Arabian American Oil Company. Crude processed at the company's refinery at Ras Tanura amounted to 4,253,006 barrels, or an average of 137,194 barrels per calendar day.

VIKING
Petroleum Solvents
PENTANE • HEXANE • HEPTANE
PETROLEUM ETHER
LIGROIN • BENZINE
Special Solvents for Specific Purposes
LOW COST — HIGH QUALITY
VIRGINIAN
GASOLINE & OIL CO.
R. V. BLDG., CHARLESTON, W. VA.

PETROLEUM NAPHTHAS and SOLVENTS
FOR: PAINT • WAXES
LACQUER • VARNISH
RUBBER • POLISHES
ENAMEL • CLEANERS
EXTRACTION
Paraffin and Microcrystalline Waxes
SHELL OIL COMPANY
INCORPORATED
50 West 50th Street, New York 20, N. Y.
SHELL

Here is a Good Investment!
Get the Deluxe Drum-O-Lator for easy One-Man Handling of Full Drum

The most indispensable labor and time saver you have ever seen. The Deluxe Drum-o-lator provides safe, sturdy, convenient stand for liquid dispensing. All metal roll out of way when not in use.
If you are not 100% satisfied your money will be refunded. Credit extended to rated companies.
Special
ORDER DIRECT FROM
WITHOUT WHEELS $6.95 Less 30% $4.87
WITH WHEELS $11.95 Less 30% $8.37
GEORGE D. MEYER CO.
MARIEMONT
CINCINNATI 27, OHIO

2 useful PETROLEUM PRODUCTS
P-D Petrobases
Available in Regular and Anti-Foaming types. There is a grade of each type for solubilizing 28° Paraffin Oil, Coastal Oil and most Technical White Oils.
P-D Petrosuls
These important industrial surface-active agents provide reliable foundations for developing formulations with innumerable and previously unobtainable properties.
PENNSYLVANIA REFINING COMPANY
BUTLER, PENNSYLVANIA
BRANCHES: CLEVELAND, OHIO & EDGEWATER, N. J.
Representatives in all Principal Cities
penn drake products

LEADERSHIP
In versatile PETROLEUM DERIVATIVES that produce more lasting, more satisfactory results in decorative and protective coatings, is the result of basic chemical research and manufacturing controls by rigid laboratory standards of product-integrity.
To minimize your formulating problem . . . to assure your product of outstanding performance . . . the answer is VELSICOL AD-63.
Such specific properties as:
- WEAR RESISTANCE
- UNIFORMITY
- INCREASED SPEED IN AIR DRYING
- WATER RESISTANCE
- ACID AND ALKALI RESISTANCE
- INCREASED SPEED IN BAKING

. . . are inherent features of VELSICOL AD-63
For superior formulations that mean complete customer satisfaction use
VELSICOL AD-63 *for Dependable, Superior*
- DECORATIVE ENAMELS
- FLOOR AND TRIM VARNISHES
- ALUMINUM VEHICLES
- CORROSION RESISTANT COATINGS
- METAL PRIMERS
- WATER EMULSION PAINTS
- INTERIOR PAINTS

And Remember . . . When you formulate with VELSICOL . . . you formulate with Confidence
Write today for Technical Information Bulletin 206
VELSICOL Corporation
Sales Offices: New York • Detroit • Atlanta • Los Angeles
San Francisco • Houston • Montreal
Manufacturers of:
Insect Toxicants • Aromatic Solvents • Petroleum Derivatives • Core Oils

MILK SUGAR
(LACTOSE)

CASEIN
("KB" BRAND)

AND

OTHER MILK PRODUCTS

OF THE HIGHEST QUALITY

Manufactured since 1917 by

AVOSET COMPANY
(formerly California Milk Products Company)

MILK PRODUCTS DIVISION

SMITH, KLINE & FRENCH LABORATORIES

1530 SPRING GARDEN STREET, PHILADELPHIA 1, PA.

KESSCO PRODUCTS

CHEMICAL SPECIALTIES

PROPYLENE GLYCOL DIPROPIONATE

●

DIBUTYL TARTRATE

BUTYL STEARATE BUTYL OLEATE

BUTYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" OLEATE

*TRADEMARK OF C&CCC

●

STEARATES PALMITATES

OLEATES RICINOLEATES

LAURATES

for the

Textile, Cosmetic, Pharmaceutical

Petroleum, Plastic and Allied

Industries

KESSLER CHEMICAL CO., INC.

ESTABLISHED 1921

STATE ROAD and COTTMAN AVE. • PHILADELPHIA 35, PA.

AHCO PRODUCTS

Fatty Acid Esters

SUPERIOR QUALITY
LOW VOLATILITY

DISTILLED GRADES

Methyl "Cellosolve"* Myristate

Methyl "Cellosolve"* Palmitate

Methyl "Cellosolve"* Stearate

Butyl "Cellosolve"* Stearate

Methyl "Cellosolve"* Oleate

Butyl Laurate Butyl Oleate

Butyl Myristate Butyl Palmitate

Butyl Stearate

AVAILABLE IN QUANTITY

Ask for Research Bulletin No. 101

* Trade mark of CCC Co.

ARNOLD-HOFFMAN & CO., INCORPORATED

Manufacturing Chemists

PROVIDENCE, R. I.

Established in 1815 • Plants at Dighton, Mass., Charlotte, N. C., and Cincinnati, O.

NEW YORK • PHILADELPHIA • CHARLOTTE • CINCINNATI

Chemicals and Pharmaceuticals

ACID BORIC USP

ACID PYROGALLIC USP

ACID TANNIC USP

ACRIFLAVINE NF

CALOMEL USP

CHRYSAROBIN USP

COUMARIN NF

IODINE

IRON AMMONIUM CITRATE GREEN

PROFLAVINE NNR

All the Above Items Available Below Manufacturer's Prices

Conray PRODUCTS CO.

510 AVENUE OF THE AMERICAS, NEW YORK 11, N. Y.

CABLE ADDRESS "CONRAYPRO"

Drugs and Fine Chemicals

An eruption in menthol prices and a disruption of those quoted on santonin were developments in sharp contrast with the general price stability in the drug and fine chemical market last week. By the end of the period, the market index was up 1.4 points to 261.0, a figure in contrast with 259.3 that prevailed a year ago following a 0.5 point drop. A price rise in the optical grade of cerium oxide; a forecast of lower prices on codliver oil on September 1, as well as a possible further recession in penicillin prices in a not distant future; and the first silver nitrate change since February—an advance—about completed the price situation so far as price changes, actual or pending, were concerned.

In menthol, the ragout of trading between dealers led to a forecast that a spot market $4 above its present level was likely should substantial buying for consumption take place. London bought in Brazil, and Japan quoted at least $1 higher than Brazil on goods for January-March shipment.

Come September 1, spot prices on USP codliver oil will drop 10c. more per gallon and it was admitted last week that the price thereby established would be higher than one which the price recently set by the Norwegian government would suggest. Buying was small, mainly on advice by some agents who expect that prices will decline further, and who see in the present large foreign stocks a reason for their added opinion that prices cannot advance.

Santonin stocks were, apparently, exhausted. Production from 1949 domestic raw material won't reach the market before December and a bare market will probably fill the interim. Russia has done nothing here for months on end. Apparently the Reds are satisfied with the sales they can make readily in the Far East at prices far above those at which American producers will supply buyers once the new production is marketed.

Alcohols were generally steady in the expectation of larger movement of industrial ethyl alcohol, come the Fall months. Fishliver oils were reasonably steady here but some other points reported an accumulation of inventories. Glycerin was in fairly balanced supply and its market feature was the pending arrival of some 1,000 tons of Russian crude. Bismuths, strychnines, mercurials, and narcotics were noted for stability.

Market Trends

Prices Advanced

Cerium oxide, 10c. per lb.
Menthol, natural, 45c. per lb.
Silver nitrate, 1¼c. per oz.
Cyanide, 1¼c. per oz.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
261.0	259.6	264.0	259.3

(*For Current Prices see Page 9*)

Acid, Ascorbic—Consumption was well up to the quantities moved to buyers during the past several weeks and transactions were the easier because of consumers' confidence in the general stability of prices and the continued availability of the item in quanties fully equal to any reasonable expansion in needs.

Acid, Cacodylic—Appearance of foreign manufactured cacodylates in merchandise arriving in the recent past has suggested a possible return of that competition which, in prewar times, made it difficult to manufacture cacodylic acid or the cacodylates profitable in this country. The few producing the article were apt to watch the import situation closely.

Acid, Citric—Summer consumption has probably passed its peak and a moderate contraction of the seasonally-born demand was a reasonable expectation last week. Price stability was pronounced during the season of largest consumption and it seemed likely that values would hold in stable position indefinitely.

Acid, Tartaric—Domestic producers' prices were firm to steady even though some of the special demand of the Summer period had begun to subside with the passing of the peak season of specialized consumption. However, some reason existed to expect that industrial consumers in the main would possibly increase their committments come the Fall months.

Agar—Competition was rather keen and although open quotations lacked quotable change, they were rather easy and subject to shading on the development of substantial requirements for the account of large consumers of the item. In most respects, it was still a buyers' market much of the time last week.

Alcohol—An item of some interest to a restricted number of manufacturing consumers was the return of isobutyl alcohol to the basis of a firm offering from producing sources. Not so long ago a principal supplier ceased offering and production. As returned to trading last week, tanks were set at 12½c. per pound; drums, carlots, 14c.; less than carlots, 15c. Carlot and tank prices were on a delivered basis but l.c.l. was quoted at the works.

Industrial ethyl alcohol was quiet but reasonably steady. The feeling of many was that, come the Fall, consuming requirements would rise and restore to the market in general a more liberal activity than has prevailed for some time past. Much will depend on how broad and general may be the increase in business generally—if any. The idea now is that it will increase and alcohols should benefit with reasonable promptness.

Another factor in the recreation of normal trade in alcohols will be the reduction of inventories of consumers. At present, said inventories stack up more than substantial as the result of users purchases during the period of successive price declines and up to the time when producers raised prices 8½c. per gallon that they might reduce their consumption of red ink used to record recent transactions in denatured alcohol.

Aloin—Present price stability related to the sustained cost of raw material. Demand of moderate size was also a supporting element last week but nothing unusual appeared in the activity of buyers nor were there many signs of any substantial change in their present undertakings. Competition was a negligible affair. The cost of production prevents much of that activity.

Bismuth Salts—The supply of metal has been ample to cover any reasonable expansion of manufacturers' needs and the fact that metal prices have been well stabilized of late last week contributed that firmness that was lacking in prices on salts with respect to the influence of consuming demand. The latter was distinctly routine.

Camphor—Considering the fact that Japanese 2½c. pound slabs of refined natural camphor fetch abroad a price about equal to $1.43 per pound, and half-ounce tablets bring about $1.45, while the powdered item sells around $1.23 probably accounts for the absence of Japanese camphor in sales for domestic account in this country. It simply cannot compete with domestic USP synthetic in ton lots at 58c. Some Japanese camphor was held here last week but it was in bond and was offered almost exclusively for export account.

Castor Oil—Ample stocks of oil were available and the consumer interest failed to develop beyond the moderate business noted in the market for some time past. Cable from Brazil showed the market still to be minimum at $103 per long ton, f.o.b Brazilian ports.

Arrivals of castor beans last week totaled 23,480 bags, equivalent to 3,522,000 pounds, compared with 7,437 bags, or 1,115,550 pounds during the previous week, and 9,229 bags, or 1,384,350 pounds in the corresponding week a year ago.

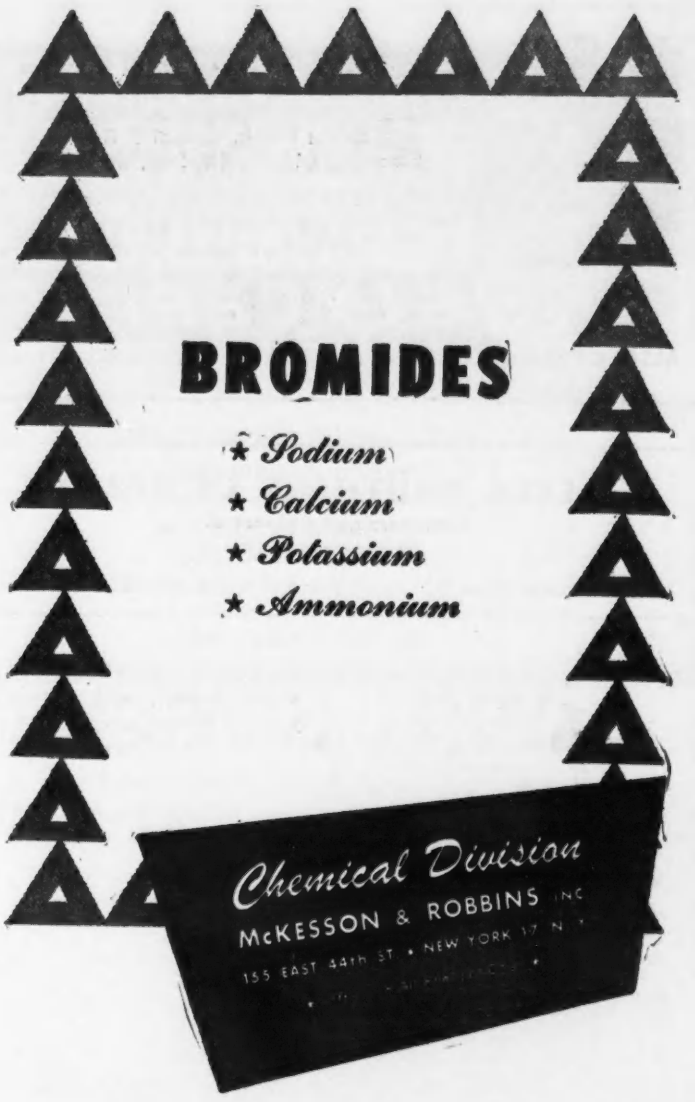
Total arrivals since January 1 became 1,083,038 bags, equivalent to 162,455,700 pounds, in comparison with 846,026 bags, or 127,001,900 pounds during the corresponding period in 1948.

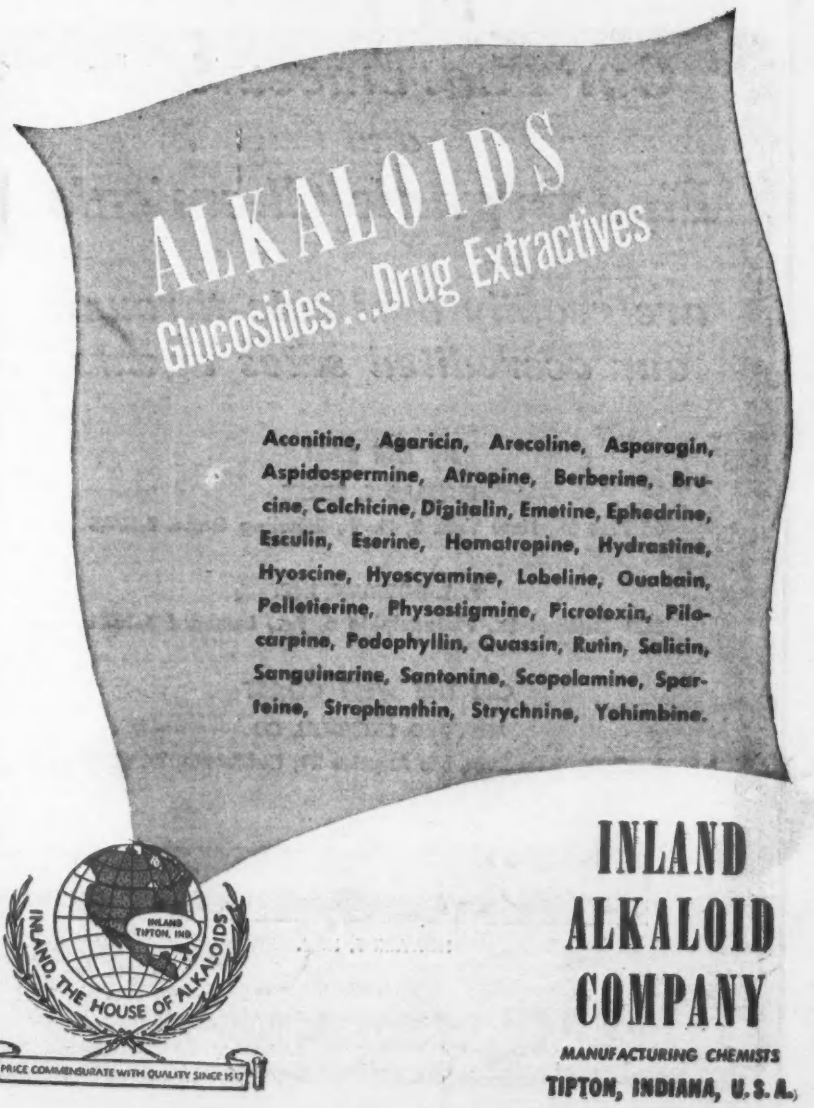
Cerium Oxide—Prices on the optical grade were advanced 10c. per pound and the market at $1.85 became effective immediately. The price was on a works basis.

Codliver Oil—Based on the Norwegian government official price of $56.50 per barrel of 30 gallons, c.i.f. New York, it was believed on spot last week that, come September 1, New York prices on USP oil will stand at about $2 to $2.10 per gallon, depending on quantity. The market last week was $2.10 to $2.20.

Spot stocks were reported relatively small last week but plenty of oil is stored in Norway, Iceland, and other supplying countries all of whom were more than anxious to increase their sales to the United States. Demand in this country was relatively slow last week and it was felt that consumers were wise in being slow to create inventories much in excess of actual needs at this time. This point

For Late Market Developments, See Page 4




ALKALOIDS
Glucosides...Drug Extractives
Aconitine, Agaricin, Arecoline, Asparagin, Aspidospermine, Atropine, Berberine, Brucine, Colchicine, Digitalin, Emetine, Ephedrine, Esculin, Eserine, Homatropine, Hydrastine, Hyoscine, Hyoscyamine, Lobeline, Ouabain, Pelletierine, Physostigmine, Picrotoxin, Pilocarpine, Podophyllin, Quassin, Rutin, Salicin, Sanguinarine, Santonine, Scopolamine, Sparteine, Strophanthin, Strychnine, Yohimbine.
INLAND TIPTON, IND.
INLAND, THE HOUSE OF ALKALOIDS
PRICE COMMENSURATE WITH QUALITY SINCE 1917
INLAND ALKALOID COMPANY
MANUFACTURING CHEMISTS
TIPTON, INDIANA, U.S.A.

U.S.P. GLYCERINE
PROCTER & GAMBLE
Gwynne Building, Cincinnati 2, Ohio
Commerce Building, 155 East 44th Street, New York City 17
LARGEST PRODUCERS AND REFINERS OF
CHEMICALLY PURE
PACKED IN DRUMS AND IN CANS
GLYCERINE
ALSO OTHER GRADES • STOCKS IN PRINCIPAL CITIES

LEVER BROTHERS COMPANY
Producers and Refiners of
GLYCERINE
50 Memorial Drive Cambridge 39, Mass.

Trade BPC Mark
IN THE UNITED STATES
Our Pharmaceuticals
and
Fine Organic Chemicals
are readily available through our accredited sales agents
IN THE EAST
EDWARD S. BURKE
65 Pine St., New York 5, N. Y., BOwling Green 9-5785
F. L. BODMAN, INC.
328 Chestnut St., Philadelphia 6, Pa., Lombard 3-1071
ON THE WEST COAST
MEFFORD CHEMICAL CO.
1026 Santa Fe Ave., Los Angeles 21, California, Tr. 6894
BENZOL PRODUCTS CO.
NEWARK 5, N. J.

of view related to the fact that the present shipment price of $56.50 per barrel is probably a shade above sound spot values and, therefore, spot prices may decline from $2 per gallon. Certainly, in view of the fact that foreign prices can hardly be advanced, consumers were deemed wise in pursuing a cautious policy in making purchases at current price levels.

Fishliver Oils—Reports from some operators were such as to suggest that stocks of most potencies were accumulating at least on the Pacific coast. Locally, the prices were reported to be as follows:—6,000 to 12,000 A units, 13c. to 14c. per million units; 15,000 to 20,000 A units, 14¼c. to 14½c.; 25,000 to 35,000 A units, 17¾c. to 18¼c.; and 40,000 to 55,000 A units, 18¾c. to 19¼c. The price situation appeared to favor buyers with firm orders in hand.

Glycerin—Domestic crude was not readily obtainable and a deal of prospective production was said to be under engagement. The virtually sold-up position of domestic crude has permitted European crude to obtain something of a foothold on this market and the goods under engagement were said to include production in Russia. Shipment was expected to be made by October at the latest and the Russian engagement was reported to be around 1,000 tons. Stability governed prices on refined glycerin of whatever variety and most market opinion was that stability would prevail over the balance of 1949 at least.

Isobutyl Alcohol—Firm offerings have been resumed at 12½c. per pound in tanks, 14c. in drums, carlots, and 15c. in less than carlot quantities. Tanks and carlots were on delivered basis but the l.c.l. was at the works.

Menthol—Consumers were aloof from the market and activity in this article last week was mainly confined to transactions between dealers. And some of them had a merry time between themselves, running the market up to a minimum of $11.45 per pound for spot goods around midweek. The range was to $11.50 as to dealer.

These advances on spot reflected a rise in the shipment quotations from Brazil where London was reported buying under conditions that stimulated the price views of Brazilian shippers. Stocks on the spot were reported as "probably moderate" and one factor ventured the opinion that should consumer buying become normal—which it was not last week—a spot market around $15 per pound was not unlikely. Cables from Japan revealed prices there to be around $12 for January-March shipment.

Mercurials—The failure of prices on mercurials to fluctuate in sympathy with the raw material market is shown by the fact that current schedules on hard mercurials were set late in December, 1948, when quicksilver was $79 per flask. Today, metal is $75 and between the two dates, metal had been as high as $90 in

HUNTING
FOR GLYCERINE?
Armour has it as close as your phone. Just call the nearest of Armour's 332 convenient stock points for all grades. Quick delivery keeps your inventories low.
ARMOUR Glycerine Division
Armour and Co., 1355 W. 31st St., Chicago 9, Ill.

NIKETHAMIDE
expertly distilled to meet all specifications.
Immediate delivery.
ORTHO CHEMICAL CORP.
44-26 Purvis Street
Long Island City 1, N. Y.
STillwell 4-8473

ALL GRADES OF REFINED GLYCERINE
U. S. P. B. P.
YELLOW DISTILLED
HIGH GRAVITY
DYNAMITE
REFINERIES LOCATED AT
★ Brooklyn, N. Y.
★ Jeffersonville, Ind.
★ Jersey City, N. J.
★ Berkeley, Calif.
★ Kansas City, Kans.
COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPARTMENT
105 HUDSON STREET JERSEY CITY 2, NEW JERSEY

BUTYL p-AMINOBENZOATE, U.S.P.
ISOBUTYL p-AMINOBENZOATE
RICHMOND CHEMICAL CORP.
Manufacturing Chemists
1483 Richmond Terrace Staten Island 10, N. Y.
Gibraltar 2-4291

COD LIVER OIL
Crude "Medicinal Grade"
IN STOCK
Available for immediate shipment.
Enquiries solicited.
STEERS LIMITED St. John's Newfoundland, Can.

January, 1949, without affecting the prices on derived chemicals. That sort of price stability continued undisturbed last week.

Penicillin—Prominent producers of this article declared that the market was lacking in price activity last week but the production situation was such as to suggest that further price movements were to be expected at an early date and if they were declines, the movements would surprise no one.

Santonin—Spot material was difficult to obtain. The market was practically bare of stocks and new domestic production, which begins next month, will hardly be on the market before late in the year. Odd lots in second hands were held for as much as $400 per kilo but disappeared at midweek. Some merchandise was proposed for shipment from Switzerland but $325 per kilo was wanted for the same. Spot was strictly nominal. The Russians have done nothing here for months on end. The excellent market in the Far East apparently absorbs all they care to sell and reports from Chinese sources have suggested a $300 per kilo market as being realized there which contrasted with $225 per kilo recently obtained on spot.

Silver Nitrate—The first price movement since last February came on this article at midweek. Producers raised quotations ¼c. per ounce as the result of a rise in the price of foreign silver to a new high for this year—namely, 72c. per ounce. The schedule on nitrate became as follows:—2,500 ounce lots, 46⅝c. per ounce; 1,000 ounce lots, 47⅞c.; 500 ounce lots, 48⅝c.; single 250 ounce lots, 48⅞c.

Sodium Glutamate — Stability governed in all aspects of the market but specially with respect to demand and prices. In quantities of 1,000 to 10,000 pounds, the price was $1.55; in 100 to 1,000 pound lots, $1.56.

Strychnine — Plentiful supplies were available at prices well stabilized for more months than memory can recall. Production has been established at quantities eliminating over supply and selling prices have been held to levels yielding no more than warranted profit to the producers.

Streptomycin — Production in June reached a record high of 7,300,000 grams according to the U. S. Department of Commerce. Production for the first half of this year equaled total annual production in 1948.

Sulpha Drugs—Demand was normally active and failed to oppress supply to any important degree. Also, production costs have become sufficiently stabilized to keep selling prices mainly steady to firm and rarely subject to fluctuation or occasional bending, however, the wind of demand might blow.

Dowe's means Dependable

PRODUCERS OF

FISH LIVER OILS

VITAMIN A CONCENTRATES

VITAMIN D_2

Dowe's Vitamins, Inc.

4800 S. RICHMOND STREET
CHICAGO 32 ILL.

MUNN'S GENUINE COD LIVER OIL MADE IN NEWFOUNDLAND

MUNN'S

NEWFOUNDLAND

MEDICINAL NON-FREEZING

COD LIVER OIL

Largest Manufacturers of Cod Liver Oil in Newfoundland for Over Fifty Years

Wire for lowest prices

W. A. MUNN & COMPANY, LTD.

ST. JOHNS - NEWFOUNDLAND

MENADIONE U.S.P.

HEXYLRESORCINOL U.S.P.

PARA AMINOSALICYLIC ACID

HEXAGON LABORATORIES, Inc.

Manufacturing Chemists

3536 PEARTREE AVE. FA 4-7550 BRONX 66, N. Y.

PYRUVIC ACID, C. P.

LACK CHEMICAL CO.

19 PARK PLACE, NEW YORK 17, N. Y.
Cable: "Lachemo-New York" COrtlandt 7-5942

MANUFACTURERS SINCE 1902

IRON SULPHATE U.S.P. EXSICCATED. TECH.

POWDERED — GRANULAR — CRYSTAL

ALUMINUM NITRATE, CRYSTAL PURE — TECH.

ZINC NITRATE, CRYSTAL PURE

SELDNER & ENEQUIST, INC.

86-112 Hausman Street Brooklyn 22, N. Y.

No connection with any firm of similar name

HUISKING

SINCE 1910

Pharmaceutical Industrial

CHEMICALS

DRUGS · · · · OILS · · · VITAMINS · · · · ETC.

• *Import and Export Merchants* •

BUYING AGENTS FOR LEADING FOREIGN HOUSES
SELLING AGENTS FOR AMERICAN MANUFACTURERS

MANUFACTURERS' DISTRIBUTORS of

CAMPHOR USP, DUPONT
Powder & Tablets

MENTHOL CRYSTALS USP
Brazilian, Chinese & Japanese

HYOSCINE HYDROBROMIDE USP
F. G. & D.

SULFUR PRECIPITATED USP
Sylvania

NAPHTHALENE REFINED
Balls, Flakes & Chipped

INSECTICIDES

COAL TAR DISINFECTANTS

OIL CAMPHOR WHITE

HAARLEM OIL

BEESWAX U.S.P.
Yellow and Bleached

BISMUTH SALTS

COPPER SULFATE
Crystals & Powder

MAGNESIUM CARBONATE USP
Blocks, Imported

SUGAR OF MILK USP Powder

PAPAIN

SPERMACETI USP

SAFFRON
Spanish

IODIDES

CHAS. L. HUISKING & CO., INC.

155 VARICK STREET, NEW YORK 13, N. Y.

Chicago Office
561 E. ILLINOIS ST.

Cable Address
HUISKING, NEW YORK

LONDON AGENTS: Wheeler & Huisking, Ltd., 26 Great Tower St., London, E.C. 3, England

SINCE 1872

PEDER DEVOLD

Finest *Norwegian*

COD LIVER OIL USP

OILS OF ALL POTENCIES • STANDARDIZED • VITAMIN-TESTED

"The Choice of Careful Bottlers Everywhere"

FROM CAN TO CARLOAD QUANTITIES

3 POINTS TO WATCH

The bottler of Medicinal Cod Liver Oil has three points to watch when buying oil:

1) FRESHNESS, PALATABILITY, FREEDOM from ODOR and TASTE, APPEARANCE;

2) VITAMIN A & D POTENCIES VERIFIED BY DOMESTIC INDEPENDENT LABORATORIES;

3) BUYING AT THE RIGHT PRICE AND TIME.

For decades we have been specializing in supplying medicinal Cod Liver Oils of all potencies, and our service to bottlers has always the aim to protect them in regard to these three points. We solicit your inquiries for the coming consuming season for prompt or later shipment.

IMPORT P.D. EXPORT

PEDER DEVOLD OIL COMPANY

DIVISION OF CHAS. L. HUISKING & CO., INC.

155 Varick St., New York 13, N. Y. Cable Address: VITAMINE, New York

SANTONIN N.F. VIII

Meeting Requirements of International Pharmacopoeias

ALKALOIDS of AMERICAN MANUFACTURE

SANTONINE COMPANY OF AMERICA

DIVISION OF CHAS. L. HUISKING & CO., INC.

155 VARICK STREET, NEW YORK 13, N. Y. Cable Address SANTONICUS, N. Y.

Save time and money with

"TERGITOL" SURFACE-ACTIVE AGENTS . . .
Trade-Mark

there's one for every wet-processing need

This surface-active agent ↓	is best with these percentages of dissolved solids		
	In Acid Solutions	In Alkali Solutions	In Salt Solutions
TERGITOL 7	<1	<1	<1
TERGITOL P-28	unstable	1–2	2–5
TERGITOL 4	1–10	2–5	1–10
TERGITOL 08	15–30	10–20	10–25
TERGITOL EH	10–20	20–30	10–20

Note: Table is a guide only. Also test the "Tergitol" above and below the one indicated.

These sulfates and phosphates of higher synthetic alcohols are now shipped in non-returnable, resin-lined steel drums. For further information, write for technical bulletin F-5900.

"Tergitol" is a registered trade-mark of

CARBIDE AND CARBON
CHEMICALS CORPORATION

UNIT OF UNION CARBIDE AND CARBON CORPORATION UCC NEW YORK, N.Y. OFFICES IN PRINCIPAL CITIES

Sodium
Potassium
Ammonium **BROMIDES** Bromine

J. Q. DICKINSON & CO. :-: **MALDEN, W. VA.**
FOUNDED 1835

HAVE YOU EXAMINED
THE INTERESTING PROPERTIES OF
Levulinic Acid
AVAILABLE COMMERCIALLY
TECHNICAL INFORMATION & QUOTATIONS ON REQUEST
DEVELOPMENT DIVISION
A. E. Staley Mfg. Co., Decatur, Ill.

Private Formulas

Your own product can be compounded in our laboratories under our scientific supervision, leaving your time free for sales, promotional and other activities. If your product is in the medicinal field, we are in a position to make it. Quotations cheerfully furnished. Inquiries welcomed and kept strictly confidential.

Schieffelin & Co.
PHARMACEUTICAL AND RESEARCH LABORATORIES
16 COOPER SQUARE • NEW YORK 3, N.Y.

Industrial Application Of Chemicals

"Where You Can Sell"

Fully Protected by Copyright

Albumin Tannate

Pharmaceutical—In compounding and dispensing practice (reputed useful in treating diarrhea).

Benzylpara-aminophenol Hydrochloride

Chemical—Intermediate in syntheses of organic compounds.

Inhibitor of undesired polymerizations.

Dye—Intermediate in syntheses of dyes.

Fats, Oils, and Waxes—Antioxidant for fats, oils.

Petroleum—Antioxidant for gasoline, mineral oils.

Inhibitor of undesired polymerizations.

Resins—Inhibitor of undesired polymerizations.

Rubber—Antioxidant.

Beta-beta'-dicarbobutoxydiethyl Cyanamide

Pesticide—Claimed (U.S. 2249134) useful as an insecticide.

1:3-Dichloropropane-1

Chemical—Reactive intermediate in syntheses of organic compounds.

Diethylammonium Phosphate

Textile—Flameproofing agent (U.S. 2262-634) for fabrics.

Phenyltri-(2-chloroethoxy)silanes

Chemical—Claimed (Brit. 591771) useful as high-boiling liquid for solvent and other applications.

Starting point (Brit. 591771) in making complex silanes.

Lubricant—Claimed (Brit. 591771) useful as lubricant.

Miscellaneous—Claimed (Brit. 591771) useful as high-boiling liquid for solvent and other applications.

Paint, Varnish, and Lacquer—Claimed (Brit. 591771) useful as high-boiling liquid for solvent and other applications.

Resins—Starting point (Brit. 591771) in making resinous compositions.

Sago Flour

Adhesives—Raw material for making glues, pastes, and other adhesives.

Food—Blender, filler, thickener, nutrient in cocoa powders, curry powders, and other culinary preparations.

Ingredient of flour preparations.

Raw material in bakery goods, candies, puddings, and other foods.

Starting point in making pudding compositions, sago starch.

Miscellaneous—Raw material for making sizing agents for paper, textiles, and the like.

CAROTENE

Food Grade, Water Soluble Pharmaceutical Grade, or Crystals available for immediate shipment.

Bowman Products

CHARLES BOWMAN & CO.

220 East 42nd Street, New York 17, N.Y.
110 North Franklin Street, Chicago 6, Ill.

HEADQUARTERS

METHYL SALICYLATE

SYNTHETIC • U.S.P.

EMPIRE CHEMICAL CO., Inc.
399 Codwise Ave. New Brunswick, N. J.

NATIONAL BRAND MILK SUGAR

QUALITY STANDARD THE WORLD OVER SINCE 1883

ALPHA LACTOSE
BETA LACTOSE

NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK 17, N. Y.

Carey MAGNESIA

OXIDES AND CARBONATES
LIGHT AND HEAVY — FOR TECHNICAL & DRUG USES

75 *years serving home and industry*

The knowledge and experience of Carey Research Laboratories in using these products in chemical formulations are available upon request.

THE PHILIP CAREY MFG. COMPANY, CINCINNATI 15, OHIO
BRANCHES OR DISTRIBUTORS IN ALL PRINCIPAL CITIES

MERPHENYL®

ESPECIALLY PURIFIED
PHENYLMERCURIC COMPOUNDS
For Pharmaceutical And Cosmetic Use

THE HAMILTON LABORATORIES, INC.
ASHEVILLE, N. C.

Gets Sharp & Dohme Post

Robert A. Harte has been appointed research administrator of the medical research division of Sharp & Dohme, Inc., Philadelphia. Mr. Harte, who was formerly chief research chemist of the Arlington Chemical Company, Yonkers, N. Y., will assume many of the non-technical administrative functions of the medical research division.

Forbes Gets Army post

Russell Forbes, former commissioner of the department of purchase of New York City, has been appointed chairman of the committee on army supply methods, Secretary of the Army Gordon Gray announced August 22. In this capacity, Mr. Gray said, Mr. Forbes will give business guidance to the committee, composed of the chiefs of the Army's technical services, which, for the past two years, has been working as a coordinating committee for army supply.

Plax Reduces Price Of Polyethylene Bottles

Plax Corporation, division of Hartford-Empire Company, Hartford, Conn., will put into effect a two percent reduction in the price of polyethylene bottles in the standard Boston round shape, effective September 1. The firm markets the squeezable bottles under the trade name, "Plaxpax."

Miller Sales Co. Formed

The Miller Sales Company has been organized in Cincinnati by Warren Miller to represent the Arthur Colton Company, pharmaceutical and packaging machine manufacturer, Detroit. The new company, which will maintain headquarters at 524 Burns avenue, Cincinnati, will cover Ohio, southern Indiana, southern Illinois, Missouri, Kansas, Kentucky, western Pennsylvania and West Virginia.

McK.&R. Advances Orchard

McKesson & Robbins, Inc., New York, has appointed Chester R. Orchard division manager at Peoria, Ill., to succeed E. H. Abbey, who has been named assistant manager of the Kansas City division. Mr. Orchard joined the company at Peoria in 1915, and was named sales manager there is 1943. Four years later he was transferred to the Cedar Rapids, Ia., division as sales manager.

Edcan Develops New Flask Ring

Edcan Laboratories, Norwalk, Conn., has developed a stainless steel flask ring in a range of sizes that will hold up to a fifty-litre flask. The flask ring is capable of withstanding long periods of immersion in either oil or water baths, and is so designed that it absorbs shocks usually taken by the flask.

Trade Briefs

Durite Products, a division of the Borden Company, will transfer its sales offices from Philadelphia to New York on September 6.

F. H. Kissner has been appointed assistant treasurer of Lever Brothers Company, Cambridge, Mass. He formerly was vice-president in charge of finance for Textron, Inc.

Department of Commerce has published a review of current business and economic research being carried on in American colleges and universities; under the title "Survey of University Business and Economic Research Projects, 1947-48." It is available from the Superintendent of Documents, Washington, for $1 per copy.

Fair Trade Education Bureau Issues Newsletter

The Bureau of Education on Fair Trade, organized under the auspices of the National Association of Retail Druggists, has instituted a series of periodic newsletters designed to keep the industry informed of its activities, to summarize significant developments on the fair trade front, and to suggest ways and means by which the industry can help to protect and preserve fair trade.

The bureau has also distributed some 12,000 news mats to small dailies and weeklies in order to get the facts on fair trade into small town newspapers and has sent numerous letters to trade associations offering to provide speakers on fair trade for 1949-50 conventions.

Chen Gets WHO Regional Post

S. F. Chen has been appointed procurement officer of the Pan American Sanitary Bureau, which is the regional office in Washington for the World Health Organization. In this capacity Mr. Chen will purchase drugs, medicinals, insecticides and equipment for use by the organization in its public health control program.

TRONA
Muriate and Sulphate of POTASH
LITHIUM Concentrates
Desiccated SODIUM SULPHATE
BORAX
BORIC ACID
PYROBOR Dehydrated Borax
TRONA
Sodium, Potassium and Ammonium BROMIDES U. S. P.
BROMINE
SALT CAKE
SODA ASH
AMERICAN POTASH & CHEMICAL CORPORATION
122 EAST 42nd STREET • • • NEW YORK 17, N. Y.
231 S. LA SALLE STREET CHICAGO 4, ILLINOIS
214 WALTON BUILDING ATLANTA 3, GEORGIA
3030 WEST SIXTH STREET LOS ANGELES 54, CALIF.

Syntex S.A.
hormones on parade
FREE TESTOSTERONE
The PURE Hormone and the MOST POTENT ANDROGEN
PROGESTERONE U. S. P.
TESTOSTERONE PROPIONATE U. S. P.
TESTOSTERONE DIPROPIONATE
TESTOSTERONE ACETATE
METHYL TESTOSTERONE U. S. P.
ETHINYL TESTOSTERONE (ANHYDROHYDROXYPROGESTERONE U. S. P.)
DESOXYCORTICOSTERONE ACETATE U. S. P.
DESOXYCORTICOSTERONE GLUCOSIDE
ESTRONE U. S. P.
α-ESTRADIOL U. S. P.
α-ESTRADIOL BENZOATE U. S. P.
Chemicalites of the Day!
Testosterone in its FREE form is the most potent Androgen[1] when administered as:
Injectible Aqueous Suspensions[2]
Tablets for Oral Mucosal Absorption[3]
1 Selye, H. Text. of Endoc. 1947. 2 Sevringhaus & Sikkemma, Jour. Clin. Endoc. 6:415, 1946. 3 Lisser & Escamilla, Jour. Clin. Endoc. 2:351, 1942.
Chemical Specialties Co. Inc.
22 East 40th Street • New York 16, N. Y.
MUrray Hill 6-3858 • Cable Address "Chemspinc"

MANUFACTURING CHEMISTS

AMPHETAMINE BASE AND SALTS

LAMEX CHEMICAL CORP

Plant: Birmingham, Alabama
Sole Distributors: OLIVIER COMPANY, INC.
25 Broadway, New York 4, N. Y.
Digby 4-4543 Cable: Austasia, New York

WESTERN CONDENSING COMPANY

28 Plants FROM COAST TO COAST

UNEXCELLED... in Experience, Technical Skill and Production Facilities

America's Largest, Most Dependable source of

• MILK SUGAR
Crude... Edible... U. S. P.

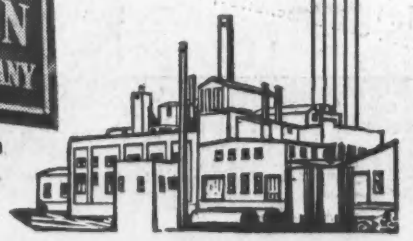
• LACTALBUMIN

• WHEY POWDER

THE QUALITY YOU WANT
AS MUCH AS YOU WANT
WHEN YOU WANT IT

WESTERN CONDENSING COMPANY

Appleton, Wisconsin
San Francisco, Calif.



Brazilian Castor Oil Freight Rate Reduced

The 76 percent freight rate increase, recently levied on Brazilian castor oil shipments, has been cut to 10 percent as the result of talks between Brazilian authorities and the Brazil-United States-Canada Freight Conference, it was announced in Brazil recently.

The action came after the Latin American spokesmen argued that the 76 percent increase operated to eliminate Brazilian shipments of castor oil to the United States, restricting Brazil to supplying the unprocessed castor bean, since freight rates on the bean remained at the previous level.

Freight rate on the oil will now be $27.50 a ton instead of $44, while the rate on castor bean will be unchanged at $20 a ton. Before the increase, the rate on the oil had been $25. Both rates are still far above the prewar level of $15 a ton on the oil, for shipment to New York, and $7 on the bean. At that time, this difference also was considered discriminatory.

Trade Agreements Cited

Brazil had requested that the wide differential between raw and processed castor products be narrowed, since international trade agreements have accorded a prior right to countries producing raw materials in the establishment of industries processing them, which are defined as "economic industries" under these agreements.

The 76 percent freight increase had effectively cut down Brazil's castor-oil shipments, with numerous secondary effects on the Brazilian economy. Brazil had hoped to encourage American castor-bean processors to move their installations to Brazil, which is now once again a possibility.

Increased castor-oil shipments, made practical through the lower freight rate, would bring a highly important secondary benefit to Brazil in the form of fertilizer by-products from the castor bean processing.

Fertilizer By Products

Brazilian scientist Cunha Bayma recently estimated that processing for oil of Brazil's present castor bean crop would result in production of fertilizer by products worth $50,000,000, enough to rebuild a huge part of Brazil's worn-out coffee and cotton land.

Production of this fertilizer, moreover, would eliminate a serious dollar drain, since Brazil must now import most of the fertilizer it uses from dollar areas.

There is no tariff problem so far as Brazilian shipments of castor oil to the United States are concerned, as duties on this item were reduced from three to one-and-a-half cents a pound under the Geneva agreements.

ECA Allocates Funds For Turkish Salt Plants

The Economic Cooperation Administration announced August 26 that it had approved a technical assistance project to assist the government of Turkey in the expansion and modernization of the country's salt industry. Under the project, Morris & Van Wormer, consulting engineer, New York, will provide technical aid in the modernization of two of the largest salt-producing plants in Turkey.

Modernization of the two plants is expected to increase production by more than 175,000 tons annually. In 1948 the production from fifty-two sources, including the two plants slated for expansion, totaled 263,000 tons. The expansion and modernization program is expected to increase the annual production figure to 440,000 tons.

Installation of modern machinery at the evaporating ponds for use in earth preparation and rolling is expected to save two weeks of labor at the beginning and end of the four-month harvesting season. The use of laboratory equipment will enable studies of the physical properties of the salt and non-salt brines at various stages of evaporation to determine whether potassium, magnesium and other sodium salts may be salvaged from the reject brines that are now returned to sea. ECA will meet dollar costs of the technical assistance project, estimated at $10,000. The Turkish government will pay all other expenses.

Trade Briefs

Buffalo Coatings Corporation has been incorporated in Buffalo, N. Y., by George H. Hooker, Charles G. Blaine and John H. Hollands.

John V. Sandberg will become vice-president in charge of advertising for the Pepsodent division of Lever Brothers Company, Cambridge, Mass., on September 15. He is now advertising and sales promotion manager for Kraft Food Company.

Charles D. Doerr, vice-president in charge of McKesson & Robbins, Inc., pharmaceuticals, New York, is on the list of members of the domestic distribution committee of the Chamber of Commerce of the United States.

Custom Grinding OF *Pharmaceuticals* AND *Fine Chemicals*

★

PARTICLE SIZES (AVERAGING ONE TO THREE MICRONS)

MICRONIZED PRODUCTS DEPT.
CORONA CHEMICAL DIVISION
PITTSBURGH PLATE GLASS CO.
MOORESTOWN 7, NEW JERSEY

R. GESELL
INCORPORATED

Manufacturing Chemists

★

Specializing in Private Formula Work

★

200 WEST HOUSTON STREET
NEW YORK 14, N. Y.

pharmaceuticals in bulk

albumin tannate, medicinal
antipyrine salicylate, medicinal
benzyldisulfide, pure
calcium benzylphthlate, medicinal
calcium borogluconate, medicinal
calcium camphosulfonate, pure

Write for our catalog

Fine Organics, inc., 211L e. 19th st., new york 3, N.Y.

ACC

Hexylresorcinol USP XIII
Nikethamide NNR, B.P.
Acetylcholine Chloride
Calcium levulinate N.F. VIII
Desoxyephedrine Salts (d & dl)

Write or Phone for Latest Price List

Arenol Chemical Corp.
Manufacturing Chemists
49-33 23 ST., LONG ISLAND CITY, Stillwell 4-0948

Penola Moves to New York

Penola, Inc., lubricating product marketing affiliate of the Esso Standard Oil Company, has transferred its headquarters from Chicago to New York. Concurrently, the Esso company has transferred certain of its domestic and export wholesale lubricating oil, grease, wax and specialty sales to Penola for worldwide distribution to affiliated and non-affiliated companies. The Penola organization will establish a sales office in Detroit and will maintain a small office in Chicago.

Chemical Industry Borrowing Reported

Ninety-nine loans, aggregating $14,435,000, were approved by the Reconstruction Finance Corporation during the period January 1, 1948, through June, 1949, the agency announced last week. Names of the applicant firms were not divulged.

Among the loans there were nine to concerns in the paint and varnish field amounting to around $1,000,000; twenty-five in the animal and vegetable oil field totaling $5,300,000, fifteen in the drugs, insecticides, toilet preparations and related products field, amounting to $1,000,000; ten in the soap and glycerin field amounting to $1,200,000; four in the hardwood distillate and naval stores field amounting to $248,000; fifteen in the fertilizer field amounting to $1,200,000; seventeen in the industrial chemical field totaling $4,400,000, and four miscellaneous loans amounting to $86,000.

Pressed Steel Tank Names Brooks Southeastern Agent

The Pressed Steel Tank Company, Chicago, has appointed Charles C. Brooks southeastern representative. Mr. Brooks will make his headquarters in Atlanta, Ga., and will handle the company's entire line of containers for gases, liquids and solids in the southeast.

Trade Briefs

Ellis H. Robinson, vice-president of John L. Thompson Sons & Co., wholesale druggists, Troy, N. Y., is on the list of members of the domestic distribution department committee of the Chamber of Commerce of the United States.

Eimer & Amend, ninety-eight year old New York drug firm, will award a $100 U. S. Savings Bond to the patient for whom it compounds its 8,000,000th prescription. It is expected that the presentation will be made some time this Fall.

FINE ORGANIC CHEMICALS

C_7 DERIVATIVES

Heptyl Chloride
Heptyl Bromide
Heptyl Iodide
Heptyl Acetate
Ethyl Heptylate
Heptaldehyde di-methyl acetal
Nonenoic Acid

CH-7

Chemical Division
WALLACE & TIERNAN PRODUCTS, INC.
Belleville 9, New Jersey

Progesterone U.S.P.
Testosterone
Testosterone Propionate U.S.P.
Methyl Testosterone U.S.P.
Desoxycorticosterone Acetate U.S.P.
Estrogenic Substance
Chorionic Gonadotropin
Prices and Samples on Request
VITAMERICAN OIL CORPORATION
1 John Street Haledon, N. J.

DEXTROSE ANHYDROUS, C.P.
B. L. LEMKE & CO., INC. Manufacturing Chemists
Plant & Offices: Lodi, N. J. Telephone—New York: Bryant 9-0677—Lodi: Prescott 7-5805

Barnett's
CAROTENE
POTENCIES UP TO 1,350,000 UNITS PER GRAM
Now used in the enrichment of flour, bread, milk, butter, cakes, soup, salad dressing, margarine, pastries and as a source of vitamin A in many pharmaceutical products.
BARNETT LABORATORIES, 6258 CHERRY AVENUE LONG BEACH 5, CALIF.

FOR QUALITY AND SERVICE
CHLOROPHYLL OIL SOLUBLE
ETHYL CHLORIDE
In Automatic Spray Tubes
FIXANAL PREPARATIONS
For Normal Solutions
LANOLIN ANHYDROUS U.S.P.
P&B
SINCE 1900
Pfaltz & Bauer, Inc.
EMPIRE STATE BUILDING, N. Y.

METALSALTS CORPORATION
MERCURY and MERCURY COMPOUNDS
PHENYL MERCURIC ACETATE
and Derivatives
FINE ORGANIC CHEMICALS
Manufactured by Darsyn Laboratories, Inc.
PHENYL HYDRAZINE BASE
•
PHENYL METHYL PYRAZOLON
METALSALTS
CORPORATION
Manufacturing Chemists
200 WAGARAW ROAD, HAWTHORNE, N. J.
HAwthorne 7-6000
New York: PEnnsylvania 6-2626

MANUFACTURERS OF
Licorice
PRODUCTS
For the trade
MADE FROM FINEST IMPORTED ROOTS
Let the FLAVOR prove it
2701-2733 BOSTON ST. BALTIMORE 24, MD.
The J.S. YOUNG COMPANY
50 EAST 13th ST. PATERSON, N. J.

Your CALCIUM DOLLAR GOES TWICE AS FAR with

Sheffield
CALCIUM LACTATE USP

Make your calcium lacto-phosphate and calcium lactate tablets from Sheffield Calcium Lactate USP. It supplies organic-source calcium for nutritional purposes at less than half the cost of other major sources.

Too, Sheffield Calcium Lactate USP contains more calcium to the pound than other preferred sources, dissolves more easily in water, and is readily assimilated.

If you make medicines or baby foods, Sheffield can help you. A century-old name in milk and the latest word in milk chemicals, Sheffield offers you the

- World's largest selection of milk chemicals
- Highest quality and uniformity
- Research facilities of the National Dairy Products Corporation
- Sure supply, year round
- Prompt delivery, world-wide shipment

We will be glad to send you free samples, technical information and prices. Write to Chemurgic Division, Sheffield Farms Company, Inc., Norwich 4, New York, or 532 West 57th Street, New York 19, N. Y., phone COlumbus 5-8400.

SHEFFIELD
MILK CHEMICALS

"EDAMIN"★— New, improved flavor oral protein hydrolysate. Predigested lactalbumin in creamy-white powder form — featuring the long-sought, less bitter, more pleasant taste.

EDIBLE LACTOSE (Milk Sugar. Obtainable only from milk) — Cheaper than, yet identical with, Lactose USP except that it is just short of meeting USP standards. Saves you money in any formula not requiring USP labeling. Is non-hygroscopic.

SODIUM LACTATE — In solution form. 50% edible, water-white, for pharmaceutical formulation with sulfa drugs, to offset indigestion, preclude shock. 50% non-edible, pale brown, for technical use.

"N-Z-Amino"★—Enzymatic digest of casein for oral use.
Bulk Casein Peptone
"N-Z-Case"★—Laboratory casein peptone
"N-Z-Tone"★—Laboratory lactalbumin peptone
"Hy-Case"★—Acid digest of casein
Caseins for various uses
"De-Vitaminized" Casein
Lactose USP
Lactose Impalpable USP
★Trade-mark of Sheffield Farms

SHEFFIELD FARMS COMPANY, INC.
Division of National Dairy Products Corporation

CHEMURGIC DIVISION

Imports at United States Ports

Imports at New York

ANILIN COLORS—35 dms, Geigy & Co, Noordam, Rotterdam
ANISE OIL—10 dms, Norda Essential Oil & Chemical Co, Pioneer Lake, Hong Kong
ANTIMONY ORE—313 bgs, Theodore B Smith Co, Santa Barbara, Antofagasta
OXIDE—100 cks, C Gitlan Co, Averdyk, Antwerp
APRICOT KERNELS—165 bgs, Kane Import & Export Corp, Lisbolt, Taku Bay
ARSENIC—105 bbls, Cia Minera Asarco, Agwistar, Tampico
ASBESTOS FIBER—534 bgs, Executor, Genoa
BALSAM—2 dms, Merchants Export & Import Co, Cape Cod, Cristobal
2 dms, Biddle Sawyer Corp, Cape Cod, Cristobal
2 dms, George Lueders & Co, Cape Cod, Cristobal
LEAVES — 4 bgs, Givaudan-Delawanna, Inc, Cape Cod, Cristobal
BEESWAX—20 bgs, E Vadillo Ruiz, Agwidale, Havana
6 bgs, General Import Co, Agwidale, Havana
195 bgs, F H Paul & Stein Bros, Burckel, Lobito
200 bgs, Pellew Wilson Co, Mormacdove, Fortaleza
100 bgs, Samuel Zeitlins Sons, Mormactide, Santos
BERGAMOT OIL—100 cs, George Lueders & Co, Executor, Genoa
40 cs, Ungerer & Co, Executor, Genoa
25 cs, Magnus, Mabee & Reynard, Inc, Executor, Genoa
26 cs, Felton Chemical Works, Executor, Genoa
24 cs, Tombarel Products Corp, Executor, Genoa
52 cs, Exbrook, Messina
20 cs, Corn Exchange Bank, Exbrook, Messina
20 cs, Dodge & Olcott, Inc, Nyhorn, Messina
80 cs, Nyhorn, Messina
BERYL ORE—600 bgs, Beryllium Corp, Argentina, Rio de Janeiro
BRUCINE ALKALOID—4 cs, New York Quinine & Chemical Works, Elysia, Glasgow
SULPHATE—4 cs, R W Greeff & Co, Elysia, Glasgow
5 cs, New York Quinine & Chemical Works, City of Khartoum, Calcutta
BUTTONLAC—100 bgs, Charles H Timm Co, Malakand, Calcutta
CAFFEINE—227 bbls, Lo Curto & Funk Co, Astri, Santos
CARAWAY SEED—1 dm, Dodge & Olcott, Inc, Noordam, Rotterdam
150 bgs, A Gronowitz Co, Vibe Maersk, Rotterdam
200 cs, Catz American Co, Noordam, Rotterdam
200 bgs, C M Van Sillevoldt Co, Noordam, Rotterdam
100 bgs, J F Frank Co, Noordam, Rotterdam
CARNAUBA WAX—140 bgs, Smith & Nichols, Mormactide, Bahia
126 bgs, Frank B Ross Co, Mormactide, Bahia
57 bgs, Strahl & Pitsch, Mormactide, Bahia
63 bgs, Dura Chemical Co, Laila Dan, Rio de Janeiro
CASEIN—3,040 bgs, The Borden Chemical Co, Argentina, Buenos Aires
2,000 bgs, Crawford Co, Argentina, Buenos Aires
500 bgs, Chemical Bank & Trust Co, Argentina, Buenos Aires
500 bgs, Bank of Manhattan Co, Argentina, Buenos Aires
334 bgs, F H Paul & Stein Bros, La Baule, Havre
CASSIA—200 bls, Becker Mayer Seed Co, Lisholt, Hong Kong
50 bls, Archibald & Kendall, Pioneer Lake, Hong Kong
461 bls, Arthur G Dunn Co, Pioneer Lake, Hong Kong
1,500 bls, Kane Import Corp, Pioneer Lake, Hong Kong
50 bls, Becker Mayer Seed Co, Pioneer Lake, Hong Kong
400 bls, Charles T Wilson Co, Pioneer Lake, Hong Kong
CASTORBEANS—15,067 bgs, Baker Castor Oil Co, Loide Ecuador, Bahia
1,794 bgs, Spencer Kellogg & Sons, Inc, Loide Ecuador, Bahia
2,550 bgs, Baker Castor Oil Co, Wideawake, Santos
847 bgs, Baker Castor Oil Co, Alphacca, Bahia
2,541 bgs, Baker Castor Oil Co, Mormactide, Bahia
681 bgs, Pablo Calvet Co, Laila Dan, Bahia
OIL—464 dms, Bunge Corp, Mormactide, Bahia
CINCHONA PRODUCTS—50 cs, Treasury Dept, Algonquin Victory, Rotterdam
COCA LEAVES—121 bls, Chemical Bank & Trust Co, Santa Barbara, Salaverry
COCONUT OIL—203 tons, Philippine Refining Co, Pioneer Lake, Manila
COD OIL—150 dms, V Martin Dennis, Fort Amherst, St Johns
150 dms, Atlas Refining Co, Fort Amherst, St Johns
50 dms, Scandinavian Oil Co, Fort Amherst, St Johns
COPAL GUM—63 bgs, France, Campbell & Darling, Inc, Lisholt, Manila
130 bgs, France, Campbell & Darling, Inc, Burckel, Matadi
300 bgs, Gillespie-Rogers-Pyatt Co, Burckel, Matadi
215 bgs, O G Innes Corp, Burckel, Matadi
CORIANDER SEED—250 bgs, P H Petry & Co, Executor, Casablanca
CUMIN SEED—187 bgs, Levy & Levis Co, Executor, Casablanca
187 bgs, Louis Furth Co, Executor, Casablanca
438 bgs, P H Petry & Co, Executor, Casablanca
145 bgs, Wessel Duval & Co, Nyhorn, Beirut
157 bgs, C M Van Sillevoldt Co, Nyhorn, Beirut
DIETHYL ACETAL—1 dm, City Chemical Co, Marengo, Hull
EARTH COLORS—190 bgs, Reichard Coulston, Exchester, Larnaca
ESSENTIAL OILS—5 dms, Agwistar, Vera Cruz
1 dm, Lo Curto & Funk Co, Averdyk, Rotterdam
FENUGREEK SEED—55 bgs, Gordon Woodruff Co, Executor, Casablanca
FISHLIVER OIL—9 dms, Collet, Week & Nibecker Co, Santa Barbara, Valparaiso
4 dms., Lisholt, Yokohama
2 dms, Albumina Supply Co, African Glen, Luanda
1 dm, Distillation Products, Inc, African Glen, Luanda
4 dms, Farr Elliss Co, African Glen, Luanda
MEAL—1,768 bgs, Albumina Supply Co, Executor, Casablanca
FLEASEED—405 bgs, S B Penick & Co, Excelsior, Bombay
FUEL OIL—10,000 bbls, Asiatic Petroleum Corp, Santa Rosa, Genoa
71,447 bbls, Cities Service Oil Co, Gaines Mill, Aruba
GYPSUM, CRUDE—270 bgs, Hammill & Gillespie, Marengo, Hull
IPECAC ROOT—18 bgs, S B Penick & Co, Cape Cod, Cristobal
IRISH MOSS—100 bls, H Reifenberg Co, American Reporter, Havre
25 bls, Innis, Speiden & Co, American Reporter, Havre
IRON OXIDE—490 bgs, Reichard Coulston, American Scout, Belfast
KIRILAC—200 bgs, C H Timm Co, Malakand, Calcutta
LEMON OIL—340 cs, Nyhorn, Messina
LEMONGRASS OIL—1 dm, Dodge & Olcott, Inc, Cape Cod, Cristobal
LIQUIDAMBAR—1 dm, David Klapisch, Cape Cod, Cristobal
1 dm, Manufacturers Trust Co, Cape Cod, Cristobal
LOCUST BEAN GUM—100 bgs, Executor, Genoa
200 bgs, T M Duche & Sons Co, Executor, Genoa
225 bgs, Paul A Dunkel & Co, Executor, Genoa
20 bgs, Tragacanth Importing Co, Exchester, Larnaca
LOCUST BEANS, POWDERED—100 bgs, S B Penick & Co, Executor, Genoa
100 bgs, R J Prentiss & Co, Executor, Genoa
MANGROVE EXTRACT—2,600 bgs, Saxe Cutch Corp, British Prince, Singapore
MANGANESE ORE—2,800 tons, Electro Metallurgical Co, Malakand, Vizagapatam
MASTIC GUM—15 cs, P D Madowros Co, Hyhorn, Beirut
MEDICINAL FLOWERS—4 bgs, Meer Corp, Executor, Genoa
HERBS—2 bgs, S B Penick & Co, Executor, Genoa
100 bgs, Exbrook, Messina
19 bls, S B Penick & Co, Argentina, Buenos Aires
8 bls, R J Prentiss & Co, Argentina, Buenos Aires
MENTHOL—14 cs, Vick Chemical Co, Mormactide, Santos
15 cs, Paul A Dunkel & Co, Argentina, Rio de Janeiro
METALLIC SODIUM—528 dms, International Commodities Corp, Havmann, Antwerp
MICA—35 cs, Siegfried Cussel Co, Eidanger, Buenos Aires
19 cs, Eugene Munsell Co, Eidanger, Rio de Janeiro
50 cs, Ford Radio & Mica Co, Eidanger, Rio de Janeiro
293 cs, Asheville Schoonmaker Mica Co, Malakand, Calcutta
14 cs, James F Garneau Co, Malakand, Calcutta
71 cs, Whittaker, Clark & Daniels Co, Malakand, Calcutta
10 cs, Cornelius & Suhr Co, Malakand, Calcutta
467 cs, Asheville Schoonmaker Mica Co, Malakand, Calcutta
75 cs, United Mineral & Chemical Co, Malakand, Calcutta
3 cs, American Mica Works, Malakand, Calcutta
151 cs, Cornelius & Suhr Co, Malakand, Calcutta
15 cs, Stein, Hall & Co, Malakand, Calcutta
69 cs, Eugene Munsell Co, Wideawake, Rio de Janeiro
28 cs, Cosmopolitan Trading Co, Wideawake, Rio de Janeiro
7 cs, Sylvania Electrical Products Corp, Wideawake, Rio de Janeiro
10 cs, United Mineral & Chemical Co, Excelsior, Calcutta
94 cs, Manchard Trading Corp, Excelsior, Calcutta
50 cs, Ameritex Industries, Inc, Excelsior, Calcutta
119 cs, Cornelius & Suhr Co, Excelsior, Calcutta
166 cs, Asheville Schoonmaker Mica Co, Excelsior, Calcutta
54 cs, Otto Gerdau Co, Excelsior, Calcutta
60 cs, Sylvania Elec Prod Co, Argentina, Rio de Janeiro
8 cs, Cornelius & Suhr Co, City of Khartoum, Madras
270 cs, Asheville Schoonmaker Mica Co, City of Khartoum, Calcutta
169 cs, United Mineral & Chemical Co, City of Khartoum, Calcutta
40 cs, Hal Dolphin Co, City of Khartoum, Calcutta
155 cs, Cornelius & Suhr Co, City of Khartoum, Calcutta
38 cs, Westinghouse Elec Prod Co, City of Khartoum, Calcutta
1,054 cs, Gillespie-Rogers-Pyatt Co, City of Khartoum, Calcutta
194 cs, James F Garneau Co, City of Khartoum, Calcutta
950 cs, Ameritex Industries, Inc, City of Khartoum, Calcutta
200 cs, Ford Radio & Mica Works, Khartoum, Calcutta
OURICURY WAX—286 bgs, Wessel, Duval & Co, Mormactide, Bahia
56 bgs, Smith & Nichols Co, Mormactide, Bahia
22 bgs, FH Paul & Stein Bros, Mormactide, Bahia
OX GALL—3 bbls, Tupman, Thurlow Co, Eidanger, Rio de Janeiro
3 tres, Wilson Laboratories, Inc, Mormactide, Santos
9 cks, Rohner Gehrig Co, Argentina, Buenos Aires
PEATMOSS—300 bls, J E Bernard Co, American Reporter, Bremen
PEPPER, BLACK—156 bgs, Noordam, Rotterdam
80 bgs, Van Norden & Archibald Co, Noordam, Rotterdam
84 bgs, Otto Gerdau Co, Noordam, Rotterdam
202 bgs, Uno Shipping Co, Raphael Semmes, Rotterdam
70 bgs, Algonquin Victory, Rotterdam
522 bgs, Averdyk, Antwerp
84 bgs, Averdyk, Antwerp
80 bgs, East India Trading Co, Averdyk, Rotterdam
160 bgs, Virchand Panachand, City of Khartoum, Colombo
80 bgs, Mincing Trading Co, City of Khartoum, Colombo
80 bgs, Arthur G Dunn Co, City of Khartoum, Colombo
160 bgs, Moller Trading Co, City of Khartoum, Colombo
WHITE—28 bgs, Internatio Rotterdam, Noordam, Rotterdam
117 bgs, Mincing Trading Co, Noordam, Rotterdam
70 bgs, Algonquin Victory, Rotterdam
PETROLEUM, CRUDE—109,752 bbls, Gulf Oil Corp, Gulfscout, Caripito
120,833 bbls, Socony Vacuum Oil Co, Saconet, Puerto la Cruz
122,348 bbls, Socony Vacuum Oil Co, Gaines Mill, Puerto la Cruz
POPPYSEED—200 bgs, Catz American Co, Noordam, Rotterdam
100 bls, Becker Mayer Seed Co, Noordam, Rotterdam
QUEBRACHO EXTRACT—2,223 bgs, River Plate Import & Export Corp, Argentina, Buenos Aires
QUICKSILVER—200 flasks, Derby & Co, Pioneer Lake, Yokohama
QUININE DIHYDROCHLORIDE—3 cs, Biddle Sawyer Corp, Haymann, Hamburg
ETHYLCARBIDE—4 cs, Biddle Sawyer Corp, Havmann, Hamburg
HYDROBROMIDE—6 cs, Biddle Sawyer Corp, Havmann, Hamburg
HYDROCHLORIDE—3 cs, Biddle Sawyer Corp, Havmann, Hamburg
SULPHIDE—12 cs, Biddle Sawyer Corp, Havmann, Hamburg
SAGO FLOUR—224 bgs, American Key Products Corp, British Prince, Singapore
SARSAPARILLA ROOT—13 bgs, Agwistar, Tampico
SEEDLAC—600 bgs, Bradshaw Praeger, Malakand, Calcutta
250 bgs, Mantrose Corp, Malakand, Calcutta
219 bgs, C H Timm Co, Malakand, Calcutta
250 bgs, Mantrose Corp, Malakand, Calcutta
200 bgs, William Zinsser Co, Malakand, Calcutta
100 bgs, Mantrose Corp, Excelsior, Calcutta
200 bgs, Dines & Schuster, Excelsior, Calcutta
100 bgs, William Zinsser Co, City of Khartoum, Calcutta
SESAME SEED—84 bgs, Archibald & Kendall Co, Pioneer Lake, Hong Kong

Consulting Chemists and Engineers

ASSOCIATION OF CONSULTING CHEMISTS AND CHEMICAL ENGINEERS, INC.

50 East 41st Street, Room 82 — New York 17, N. Y. LExington 2-1130

A Clearing House for *Consultants*

Reg. U. S. Pat. Off.

When in need of a consultant address the Association
No charge for this service.

The Membership Located from Coast to Coast,
Comprises Specialists in All Fields.

R. S. ARIES & ASSOCIATES
Chemical Engineers & Economists
Commercial Chemical Development
Process Analysis • Market Research
Technical & Economic Surveys
Evaluations
Application Research
New Product Development
Write for Leaflet A
26 Court St., Brooklyn 2, N. Y. MAin 4-0947

Turn PROBLEMS to PROFITS thru RESEARCH

BJORKSTEN RESEARCH LABORATORIES
323 W. Gorham St. Madison, Wis.
13791 S. Avenue "O" Chicago, Ill.

JOHN B. CALKIN
Consultant to the Pulp and Paper and Chemical Process Industries
Technical and Marketing Consultations
Industrial Research Advisor
Laboratory and Pilot Plant Investigations
500 Fifth Avenue at 42nd Street
New York 18, N. Y.

CENTRAL CONSULTING LABORATORIES
Specialists in Foods, Drugs and Cosmetics
Chemical, Bacteriological, Biological Assays — Investigations — New Product Development — Industrial Applications
Amino Acids, Antibiotics, Hormones, Vitamins
16 CLINTON STREET BROOKLYN 2, N Y.

RESEARCH AND PRODUCT DEVELOPMENT
Oils, coatings, detergents, plastics. Organic and drug analyses. Testing work.

COLBURN LABORATORIES, INC.
Research Chemists
431 South Dearborn St. Chicago 5, Ill.

SPECTROGRAPHIC ANALYSES
Qualitative and Quantitative Since 1936
Micro and Semimicro analyses of metallics; conventional and metallurgical analyses, metallography, metal failures investigated, heat treating consultants, photomicrographs, Jominy Hardenability, physical tests.

W. B. COLEMAN & CO.
9th St. & Rising Sun Ave. Philadelphia 40, Pa.

DI CYAN & BROWN
Consulting Chemists
12 East 41st Street, New York 17, N. Y.
MUrray Hill 5-0011

CONSULTANTS in DRUGS and COSMETICS
New Drugs; Product and Patent Demetics; Label Preparation for Convelopment in Pharmaceuticals & Cosformance to F.D.A. requirements, etc.

J. EHRLICH, Ph.D.
CONSULTING CHEMIST
153 South Doheny Drive
Beverly Hills, California
ORGANIC SYNTHESES
Fellow of the American Institute of Chemists

ESSELEN RESEARCH CORPORATION
CHEMICAL RESEARCH AND DEVELOPMENT

"THE RESEARCH OF TODAY IS THE INDUSTRY OF TOMORROW"
857 Boylston Street, Boston 16, Mass.

EVANS RESEARCH & DEVELOPMENT CORPORATION
Chemical Research—Processes—Products — Pilot Plant — Optical and Mechanical Section

•

SEND FOR BOOKLET "O"

•

INSPECT OUR UNUSUAL FACILITIES

MU. 3-0071
250 East 43rd St. New York 17, N. Y.

EXPERIMENT INCORPORATED
Chemical Consulting Research and Development Model Shop Facilities
Write for Brochure
An Organization to Serve You
P. O. Box 1-TC Richmond 2, Va.

FOOD RESEARCH LABORATORIES, INC.
Founded 1922
Philip B. Hawk, Ph.D., President
Bernard L. Oser, Ph.D., Director
RESEARCH - ANALYSES - CONSULTATION
Biological, Nutritional, Toxicological Studies for the Food, Drug and Allied Industries
48-14 33rd Street, Long Island City, New York
Write for descriptive brochure

H. J. HALLOWELL
323 Main Street, Danbury, Conn.
General analysis. Consultation.
Specialty: Alkaloidal assays. The chemical analyses of rare and common minerals, carbonate, phosphate and silicate rocks.

The BIGGEST MARKET for CONSULTATION SERVICES is among the readers of
OIL, PAINT AND DRUG REPORTER.
Tell them about yours

LAWALL & HARRISSON
Biological Assays — Clinical Tests
Pharmacologic & Toxicity Studies
Chemical — Bacteriological Problems

Pharmaceutical and Food Industry Consultants

1921 Walnut Street
Philadelphia, Pa.

INDEPENDENT LABORATORY SERVICE
Pharmacological research; product development; animal assays; hormone and vitamin assays; nutritional and bacteriological studies; toxicity tests; consultation on special problems.

LEBERCO LABORATORIES
123 Hawthorne St., Roselle Park, N. J.

ALAN PORTER LEE, INC.
ENGINEERS
Plant and Process Design
150 Broadway, New York 7, N. Y.
Cable Address—Alportlee

The BIGGEST MARKET for CONSULTATION SERVICES is among the readers of
OIL, PAINT AND DRUG REPORTER
Tell them about yours

MOLNAR LABORATORIES
Consulting, Testing and Research
Specializing in
Organic Synthesis
Hormone Assays
Clinical Studies
Product Development and Control
Toxicity and Dermatitis Tests
Disinfectant Testing and Formulation

Member A. C. C. & C. E.
211 E. 19th St., New York 3, N. Y.
GRamercy 5-1030
Cable Address: Molchem

THE ORTHMANN LABORATORIES, INC.
Consulting Analytical & Research Chemists
For the Leather & Allied Trades
Aug. C. Orthmann, President
922 NORTH FOURTH STREET
Milwaukee 3, Wisconsin

W. S. PURDY CO., INC.
Analytical & Consulting Chemists
TESTING OF PETROLEUM OILS, WAXES AND RELATED PRODUCTS
18 Bridge Street
Brooklyn 1, N. Y.
Phone ULster 5-6565

The BIGGEST MARKET for CONSULTATION SERVICES is among the readers of
OIL, PAINT AND DRUG REPORTER
Tell them about yours

THE SCHEPP LABORATORIES
Research and Consulting Chemists
SURFACE CHEMISTRY
Large Surfaces—Fine Powders—Colloids
Wm. J. Schepp, Director
Member of Ass'n of Consulting Chemists and Chemical Engineers. Fellow of the American Institute of Chemists
21-23 Summit Ave. Tel. Fairlawn 6-1212
East Paterson, N. J.

The BIGGEST MARKET for CONSULTATION SERVICES is among the readers of
OIL, PAINT AND DRUG REPORTER
Tell them about yours

ANALYTICAL, CONSULTING and RESEARCH CHEMISTS
Specializing in chemical, biochemical, bacteriological and nutritional analyses of raw materials and finished products of food and beverage plants. Process surveys and control, legal testing and consultation. Founded 1869.

SCHWARZ LABORATORIES, INC.
202 East 44th St., New York 17, N. Y.

SEIL, PUTT & RUSBY, INC.
Established 1921
Earl B. Putt, President & Director

Specialists in analysis of Drugs, Essential Oils, Spices, Rotenone & Pyrethrum Insecticides, Flavors & Alcoholic Liquors.

16 E. 34th St., New York 16, N. Y.
Phone: MUrray Hill 3-6868

RESEARCH • ANALYSIS DEVELOPMENT
Geared to Requirements of Your Business—Large or Small
Bacteriological, Nutritional, Biological, Toxicological and Chemical Studies for the Food, Drug and Chemical Industries.

SCIENTIFIC ASSOCIATES, Inc.
2854 Meramec St., St. Louis 18, Mo.

RESEARCH CHEMISTS AND ENGINEERS
A staff of 75, including chemists, engineers, bacteriologists and medical personnel with 10 stories of laboratories and a pilot plant are available for the solution of your chemical and engineering problems.
Write today for Booklet No. 20:—
"The Chemical Consultant and Your Business"

FOSTER D. SNELL, INC.
29 West 15th Street New York, N. Y.

R. STECKLER LABORATORIES
2200 Harvard Ave. Cleveland 5, Ohio
CONSULTATION AND RESEARCH
Specializing in product formulation, development, and evaluation in the fields of coatings, resins, mastics, adhesives, and plastics.

STILLWELL & GLADDING, INC.
130 Cedar Street, New York 6, N. Y.
Established 1868
Consultation, GENERAL ANALYSIS, SAMPLING, INSPECTION

UNITED STATES TESTING COMPANY, INC.
1415 Park Avenue
Hoboken, New Jersey
Physical and Chemical Facilities for Research, Development and testing
Paints, Varnishes, Lacquers and other Protective Coatings
Accelerated Weathering and Salt Spray Tests
Established 1880

JAMES F. WALSH & ASSOCIATES
Consulting Chemical Engineers and Food Technologists. Complete Analytical, Research and Pilot Plant Facilities:
For the Carbohydrate and Allied Trades—Foods, Processes, Improved and New Products—General Analytical Work. Investigation of new products and processes.

Office and Laboratories	Eastern Associate
345 West 14th Street	Meyer Moskowitz
Holland, Michigan	25 Nagle Avenue
	New York 34, N. Y.

WILEY & CO., INC.
Analytical and Consulting Chemists
Specializing in Analysis of Beverages Fertilizers, Phosphates, Wood Pulp, Coal and Coke, Feeding Materials, etc.
Calvert and Read Sts., Baltimore, Md.

SHELLAC—237 bgs, Uno Shipping Co, Noordam, Rotterdam
50 bgs, F H Paul & Stein Co, American Reporter, Hamburg
200 bgs, Schwab Bros, Malakand, Calcutta
250 bgs, Mantrose Corp, Malakand, Calcutta
1,000 bgs, Ralli Bros, Malakand, Calcutta
200 bgs, Bradshaw Praeger, Excelsior, Calcutta
300 bgs, Excelsior, Calcutta
100 bgs, William Zinsser Co, Excelsior, Calcutta
250 bgs, Schwab Bros, City of Khartoum, Calcutta

SODIUM PERCHLORATE—250 cyls, Charles Hardy Co, La Baule, Havre

SOY—100 dms, E Miltenberg Co, Pioneer Lake, Hong Kong

STYRAX GUM—50 cs, Intermaritime Fowd. Co, American Forwarder, Manchester

TANKAGE—2,214 bgs, Wessel, Duval & Co, Wideawake, Buenos Aires
1,078 bgs, International Packers Commercial, Mormactide, Montevideo
2,197 bgs, Buffalo Meat Products Corp, Argentina, Buenos Aires
1,097 bgs, C Hollinshed Co, Argentina, Buenos Aire

TAPIOCA FLOUR—1,000 bgs, Stein, Hall & Co, Astri, Santos
334 bgs, Geismar & Co, Astri, Imbituba
4,682 bgs, Stein, Hall & Co, Astri, Imbituba
6,000 bgs, Stein, Hall & Co, Astri, Itajai
2,300 bgs, Geismar & Co, Astri, Itajai
660 bgs, Stein, Hall & Co, Mormactide, Santos

TEA WASTE—3,032 bgs, Citro Chemical Co, Malakand, Calcutta
895 bgs, Maywood Chemical Works, Malakand, Calcutta
7,447 bgs, Maywood Chemical Works, City of Khartoum, Calcutta

TUNO GUM—45 cs, L A Dreyfus Co, Cape Cod, Cristobal

UMBER—140 bgs, Chase National Bank, Exbrook, Larnaca
200 bgs, Chase National Bank, Exchester, Larnaca

VANILLA BEANS—17 cs, The Camex Co, Agwistar, Vera Cruz

VEGETABLE WAX—20 cs, Transocean Commerce Co, Pioneer Lake, Kobe
25 cs, W Diehl Co, Pioneer Lake, Kobe

WATTLE BARK—1,061 bls, Barkey Importing Co, Mormactide, Porto Alegre

WOLFRAM ORE—1,200 bgs, W R Grace & Co, Santa Barbara, Arica
438 bgs, Philipp Bros, Santa Barbara, Arica

WOOL GREASE—150 dms, N I Malmstrom, American Scout, Manchester
290 dms, Davies Turner, American Forwarder, Manchester
17 dms, Tupman Thurlow Co, American Forwarder, Liverpool

Philadelphia
August 15 to August 23

CARAWAYSEED—50 bgs, R J Spitz & Co, Flying Enterprise, Rotterdam

DRUGS, CRUDE—2 cs, William Rorer, Inc, American Inventor, London

FUEL OIL—54,926 bbls, Cities Service Oil Co, Fort Hoskins, Curacao

GYPSUM, CRUDE—6,273 tons, United States Gypsum Co, Gypsum King, Hantsport

LEAD—702 ingots, C H Gitlar Co, Averdyk, Antwerp

OLIVE OIL—23 dms, Central Hanover Bank & Trust Co, Excelier, Seville

MANGANESE ORE—506,000 kilos, African Metals Corp, Burckerl, Lobito

MUSTARD—750 cs, Atlantis Sales Corp, American Inventor, London
750 cs, Atlantis Sales Corp, American Chief, Manchester

PEATMOSS—400 bls, Premier Peat Moss Co, American Chief, Duvlin

PETROLEUM, CRUDE—122,501 bbls, Atlantic Ref Co, Atlantic Mariner, Puerto La Cruz
26,154 tons, Gulf Oil Corp, Jahra, Mena Al Ahmadi
122,738 bbls, Atlantic Ref Co, Atlantic Voyager, Puerto La Cruz
167,590 bbls, Socony Vacuum Oil Co, Nashbulk, Mena Al Ahmadi
130,045 bbls, Gulf Oil Corp, E J Henry, Mena Al Ahmadi

TAPIOCA FLOUR—250 bgs, J Henry Schroder Banking Corp, Mormacowl, Parnahyba

San Francisco
August 16 to August 20

ALBUMEN—15 cs, B C Ritche & Co, President McKinley, Hong Kong

CASSIA—100 bls, H M Newhall & Co, President McKinley, Hong Kong
200 bls, S L Jones & Co, President Taft, Hong Kong
100 bls, S L Jones & Co, Shaubo, Hong Kong

COPRA—1,200 tons, Pacific Vegetable Oil Corp, Nikobar, Cebu
450 tons, Cargill, Inc, Hiram S Maxim, Kwajalein
400 tons, El Dorado Oil Works, China Transport, Lejespi
463 tons, Pacific Vegetable Oil Corp, President Taft, Cebu
650 tons, El Dorado Oil Works, Almo Victory, Jolo
500 tons, Cargill Inc, President McKinley, Davao
250 tons, El Dorado Oil Works, Dona Nati, Cebu
100 tons, Pacific Vegetable Oil Corp, Lakeland, Victory, Cebu

LEAD ORE—624 tons, W R Grace & Co, Amazos, Supe
594 tons, J Henry Schroeder Banking Corp, Amazos, Salaverry
764 tons, J Henry Schroeder Banking Corp, Amazos, Callao
49 tons, Philipp Bros, Inc, Amazos, Supe
225 tons, W R Grace & Co, Amazos, Callao
101 tons, W R Grace & Co, Amazos, Salaverry
434 tons, W R Grace & Co, Amazos, Pascamayo

NUTMEGS—250 bgs, S L Jones & Co, Biobio, Curacas

PYROTECHNICS—200 cs, F P Dow & Co, President Taft, Hong Kong

TIN—291 bars, Fred Lenway & Co, President Taft, Hong Kong

New York State Joins Water Pollution Compact

The State of New York officially joined the New England Interstate Water Pollution Control Compact on August 19 with the issuance of a proclamation by Governor Thomas E. Dewey formally executing the compact. It had previously been adopted by Massachusetts, Connecticut and Rhode Island. On the following day Governor Dewey appointed A. F. Dappert executive secretary of the newly created State Water Pollution Control Board.

AS CERAMICS NEED MODELING...

GUMS *in their crude state need* *Evenizing

A Basalt Wedgwood original bust of Hippocrates (now in our collection), made more than a century and a half ago by Josiah Wedgwood, England's great Master of the potter's art.

From common clay, the skillful hands of the expert potter models his masterpieces. His genius at detail is the factor which makes him outstanding.

It is the *Evenizing of gums in their crude state *"for behavior protection"* which makes Penick gums outstanding.

S. B. Penick & Company, through close step-by-step laboratory control and supervision over grading, selecting, blending and milling, know the value of *Evenizing every batch of crude gum to meet predetermined standards of performance for each particular type of gum. The better buy for every purpose.

Penick *Evenized gums are accurately processed and tested. They are tested three ways ...for color-viscosity-adhesion... and checked three times . . . in the Crude—the Milling—the Milled.

For that uniform and high quality so essential to your finished product, BUY PENICK *EVENIZED TRAGACANTH, KARAYA, ARABIC, LOCUST, TALHA, GHATTY.

* ONLY PENICK EVENIZES.

S. B. PENICK & COMPANY

50 CHURCH STREET, NEW YORK 7, N. Y.
Telephone, COrtlandt 7-1970

S. B. PENICK & COMPANY • ASBURY • NEW YORK • CHICAGO • HIPPOCRATES

735 WEST DIVISION STREET, CHICAGO 10, ILL.
Telephone, MOHawk 5651

Botanical Drugs, Spices, Gums

Medicinal botanicals showed signs last week of a stability that had been expected of late because of the recently broad, downward revision of prices. In spite of growing stability in the market as a whole, the market index was reduced a further 0.2 point and at 176.3 compared with 210.0 that prevailed a year ago after a 6.7 point rise. Mandrake and fenugreek were items subjected to price decline, but galangal and African ginger closed the week higher. Changes in quotations on condimental items were divided with fair eveness between advances and declines. Cassias featured the group of condimentals seeking higher price levels and pepper led declines in severity of price change.

Demand for either condimental or medicinal botanicals was repressed throughout the past week. Buyers came to the spot disposed to cover only prompt needs in most instances and a conservative total of business booked was the result. However, signs of a probable expansion in sales to manufacturing consumers were not entirely absent in the medicinal items and, come Labor Day, a moderate upping of sales volume was believed to be a reasonable expectation.

Foreign markets seemed to have an almost amazing capacity to resist bid prices cabled from this country last week. Again, and again, and again cabled replies either rejected bids or actually advanced prices while contributing the added information that the goods were only "perhaps" available even at the advance. A substantial revival of botanical trading between the various European nations has developed during the past year—seemingly since the day that American dollars were introduced to Europe by the European Recovery Administration. At present, American dollars still in the United States occasionally have to compete with American dollars domiciled in the collective pocket of European receivers of Uncle Sam's bounty. At least, it has been recently true that New York importers attempting to buy valerian root, to cite a single example of numerous materials, discovered that Germans had used American dollars to vacuum the Antwerp market bare of supplies.

Balsams

Copaiba—A steady, if mainly jobbing, demand was the rule last week and the trade bulked high enough to keep prices firm.

Fir—Stocks were conservative in size but no consuming need went unsatisfied during the past week. Prices were steady to firm in the absence of unsettlement here or in the source market.

Barks

Cocillana—From the present outlook, manufacturing consumers will not have trouble in covering their requirements promptly and in full measure at reasonably attractive prices this Fall.

Cottonroot—The undercurrent in most markets suggested the presence of considerable competition between suppliers whose inventories, in the main, were substantial in size and fully protective of the requests likely to arise between now and new crop.

Sassafras — Reserves were mounting more or less steadily though reports from some qparters suggested that the relatively low buying prices now in effect were curtailing collections to a moderate degree. Local quotations assumed a steadier position.

White Pine—Less bark will probably be produced this year in view of the much reduced lumbering operations in the southern states. However, most suppliers carryover a better than fair stock and consumer requirements will probably be met in full.

Beans

Vanilla—Further arrivals of Bourbon beans on the Marseilles market have failed to weaken the price opinions of sellers at that point. The tendency in whatever market Bourbons may be available seemed to be toward probably higher prices and, abroad, the shippers were apparently fully determined to force United States importers to pay advanced prices on their future purchases. Apparently, the foreign operators are in the driver's seat at this time and it seemed not unlikely that in order to increase inventories on spot, importers would have to raise their ideas with respect to prices they would pay abroad.

Berries

Cubeb—Some expect that demand will revive this Fall but at the moment only jobbing quantities were in request. Prices lacked change, though they seemed to be subject to competition.

Hawthorn—No difficulty was to be experienced in replacing stocks of this item but dealers' interest in import parcels was remote last week, according to agents of shippers. Spot stocks were said to be more than sufficient for present requirements.

Flowers

Chamomile—A moderate revival of activity was experienced by some dealers and movement of both Hungarian and Roman varieties was moderately increased. Prices were unaffected except that they appeared to be somewhat firmer in most directions.

Elder—Foreign shippers should soon be offering new crop goods and some in this market have been advised that replacements may be available at slightly more attractive foreign prices. Locally, a reasonable steady but also quite dull market awaited revival of trade by reason of offerings of new collections of both foreign and domestic flowers.

Malva—Local activity was limited mainly to coverage of requirements on a hand-to-mouth basis. Prices were inactive but a tendency toward shading was not lacking here.

Gums

Benzoin—Some expansion in sales may come with the Fall months when distributors prepare for the Winter requirement. The market last week was inert but, pricewise, seemed steady and on spot

Market Trends

Prices Advanced

Drugs

Galangal root, 1c. per lb.
Ginger root, African, 1c. per lb.

Other Articles

Cardamom, bleached, bold, 15c. per lb.
medium, 15c. per lb.
Cassia, China, Canton rolls, select, ¾c. per lb.
broken, select, 1c. per lb.
Honan rolls, scraped, 1c. per lb.
broken, 1c. per lb.
Yunnan rolls, scraped, 1c. per lb.
broken, 1½c. per lb.
Saigon, medium, 1c. per lb.
thin, 1c. per lb.
Clove, Madagascar, spot, 1½c. per lb.
futures, 2c. per lb.
Coriander seed, Morocco, 1c. per lb.
Mace, Siauw, No. 1, 2c. per lb.
Nutmegs, E. I., 1c. per lb.
futures, 1c. per lb.
Paprika, Chilean, 2c. per lb.
Portuguese, 5c. per lb.

Prices Reduced

Drugs

Fenugreek seed, Morocco, 1½c. per lb.
Mandrake root, 3c. per lb.

Other Articles

Anise, Syrian, ½c. per lb.
Caraway seed, Danish, ¾c. per lb.
Dutch, 1c. per lb.
Cinnamon, Ceylon, No. 2, ½c. per lb.
Mace, West Indian, 1c. per lb.
Marjoram, French, 2c. per lb.
Mustard seed, Montana, yellow, ½c. per lb.
Oregano, Mexican, ½c. per lb.
Sicilian, 1c. per lb.
Pepper, black, spot, 6c. per lb.
afloat, 6c. per lb.
Jan.-Mar., 6c. per lb.
Sage, Dalmatian, ½c. per lb.
Turmeric root, Alleppey, 1c. per lb.
Jamaica, 1½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
176.3	176.5	181.8	201.0

(*For Current Prices see Page 9*)

Imports Detained by FDA

Week Ended August 19

Cardamom, 2 cases: chaff and extraneous matter.
Cassia rolls, 100 bales: insect infested.
Cassia oil, 25 drums: rosin and heavy metals.
Chillies, 613 bags: filthy.
Cloves, 79 bags: filthy.
Cod oil, 550 drums: decomposed.
Coriander seed, 240 cases: live insects; filthy.
Gentian root, 76 bags: insect filth; insect bored.
Pepper, black, 194 bags: moldy and insect bored.
Turmeric, 405 bags: moldy; filthy.

Philadelphia

Dogfish livers, frozen, 28 drums: decomposed.

For Late Market Developments, See Page 4

Backed by 59 years of progress!

HOPKINS

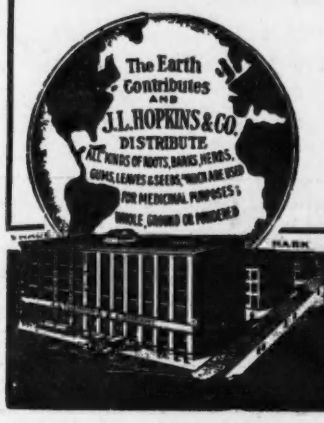
VACUUM-MADE

POWDERED EXTRACTS

THE manufacturer of Tablets, Pills, Granules, Capsules and Powders will find Hopkins' Powdered Extracts, Granular Extracts and Concentrations especially suited for his requirements.

Hopkins' Powdered Extracts are thoroughly dried, finely powdered to uniform mesh, accurately standardized and guaranteed for purity and strength. Their use assures the manufacturer of uniformity and quality of the finished product, as well as the most economical production cost attainable.

Hopkins' Powdered Extracts are all made from the highest quality selected and tested crude drugs. The evaporation and drying processes are performed under vacuum at low temperatures, thereby retaining in the finished extract, highly concentrated, all the natural constituents, color, flavor and aroma of the crude drug.



We invite an opportunity to quote you on your requirements and we hope that our fifty-nine years of experience can be helpful.

J. L. HOPKINS & CO.

PROFESSIONALLY MILLED
ANALYZED—STANDARDIZED CRUDE DRUGS
220 BROADWAY • NEW YORK

GUMS *Chemicals and Drugs*

(CRUDE, POWDERED)

GUMS:

GUM ARABIC (Bleached)
GUM GHATTI
GUM KARAYA (Indian)
GUM EGYPTIAN
GUM LOCUST (Carob Flour)
QUINCE SEED
★
CASEIN
★

SPECIALTIES:

MENTHOL (Crystals)
★
TEA SEED OIL
★
EGG ALBUMEN
EGG YOLK
BLOOD ALBUMEN
JAPAN WAX
CANDELILLA WAX

PAUL A. DUNKEL & CO., Inc.

IMPORTERS AND EXPORTERS

1 WALL STREET, NEW YORK 5, N.Y. Hanover 2-3750
CHICAGO: 919 N. MICHIGAN AVE., TEL SUP. 7-2462

REPRESENTATIVES:
CHICAGO: CLARENCE MORGAN, INC. PHILADELPHIA: BAKER & GAFFNEY
BOSTON: P. A. HOUGHTON, INC. LOS ANGELES: JOHN A. HUGHES

WHAT is "KNOW HOW"

"KNOW HOW" is that instinctive rule of thumb in a particular situation which is created by knowledge plus experience.

We would like to share with you our "KNOW HOW" in Botanicals which will allow you more time to exercise *your* "KNOW HOW" in making or compounding drugs and medicines.

Buy from a *basic* source of supply.

R. J. PRENTISS & CO., Inc.

110 William Street, New York 7, N. Y. • 9 So. Clinton Street, Chicago 6, Ill.

PLANTS BROOKLYN, N. Y. AND NEWARK, N. J.

The Mark of Quality

DODWELL & COMPANY

"Visco-Measured"

Whole Granulated **GUMS** Powdered Crystal

KARAYA TRAGACANTH
ARABIC LOCUST BEAN

•

PSYLLIUM SEED AND HUSKS
CLEANED AND STERILIZED

•

AGAR-AGAR

KOBE No. 1 STRIP OR POWDERED

•

The Dodwell Laboratories and Research Departments will welcome your inquiries and will cooperate with you in the development of your products. Write for information.

DODWELL & COMPANY
LTD.

79 Wall Street New York 5, N. Y.
Gum Division — Hanover 2-1580
Plant & Laboratories • Metuchen, N. J.

was in line with the prevailing cost of replacements.

Myrrh—Jobbing business was fair in size but reached the spot with poor regularity during the past week. Prices in remaining steady reflected the absence of much local competition.

Sandarac—No further movement in favor of buyers has taken place but in the absence of sustained request, conditions in local circles centered in a fair degree of competition between suppliers.

Herbs and Leaves

Belladonna—The Pacific coast has begun to offer this article, presumably goods grown there this Summer. The price idea there was around $1 a pound, which compares with a spot market at a minimum of 75c. and a maximum of $1.10 prevailing, according to strength of material, quantity, and seller.

Buchu—More than a fair amount of local competition failed to break prices further but the market was moderately easy at 80c. to 85c. per pound, a level that might be shaded occasionally. Demand failed to press beyond jobbing confines.

Digitalis—Open quotations lacked further reduction but the market was still rather unsettled by the comparatively light prompt delivery demand and the expectation that some find quality domestic cultivated leaves will be marketed at attractive prices this year. Foreign goods were also in fair availability.

Sage—Dalmatian material was a fraction lower at 27½c. to 28c. per pound but other varieties of sage lacked quotable change.

Marjoram—Only French herb was changed in price. That item was lower at 34c. to 35c. per pound under competition.

Oregano—Sicilian was shaded to 17c. to 18c. per pound and the Mexican variety of this flavoring item was cheaper at 11½c. to 12c.

Stramonium—A dull market did little to check the recently more active competition in this material. However, recently reached quotations were retained unchanged for the present.

Miscellaneous

Balm of Gilead — Decline seemed checked. At least, recent quotations were repeated locally and seemed likely to remain in force until such time as early Winter needs reappear here.

Ergot—All markets were firm and most of them displayed signs of being nominal. Certainly, no surplus of ergot existed in and market and that on spot was maintained in strong position by reason of the fact that most suppliers would entertain orders only from regular customers who were actually manufacturing consumers.

Papain—Reports from primary market points have more or less confirmed rising replacement prices, a fact that added to the recently much steadier and, at present, much firmer spot market. From a strictly buyers' market the article in large measure has shifted until advantage now rests with sellers.

Roots

Aletris — Though lacking in open change, it seemed not unlikely that deliveries might be obtained at prices slightly shading those most usually quoted as representative on spot.

Angelica—Domestic root was fairly easy under lower primary market costs and a downward tendency with respect to spot quotations. Imported merchandise was also easier under dullness of demand.

Galangal—The spot market has worked up slightly and late last week quotations ranged 15c. to 17c. per pound. This was possibly the result of the uncertainty with respect to future exportation from China.

Gentian—Agents of foreign shippers indicated that more inquiry for shipment parcels had developed during the past week but they also said that shippers abroad were not innoculated with any tendency to drop prices. The firm market abroad was expected to continue for some time to come.

Goldenseal — While activity was restricted, the market for this article seemed reasonably well stabilized so far as spot prices were concerned. And nothing suggested real unsettlement in other market supplying this article to consumers.

Mandrake—The decline seemed to be slowing down and at the lower level of 30c. to 35c. per pound a tendency of prices to harden thereabouts was noted. Country prices are not working down further and an early approach of buyers to the

primary market could well stiffen the general price position.

Pink—Country sellers reported few opportunities to sell this article and at the present time it seems likely that trade would be small during the months immediately ahead. Prices may become steadier but mainly because they already have been so substantially shaken down.

Senega—The downward movement of spot quotations was checked temporarily at least. Future price movements will hinge on the extent to which demand may be effective in stemming the declining market at the origin, mainly Winnipeg, Canada.

Squill — The immediate market on white squill was not very active but Fall and Winter requirements of manufacturers should soon liven the spot market considerably. It was steady last week.

Turmeric—Haitian root was shaded to 12c. to 12½c. per pound. Jamaica root was also lower at 12½c. to 13c. Alleppey remained nominal in the absence of spot stocks. Madras futures were 23c. to 24c.

Seeds

Anise—Only Syrian seed changed in price and that article was fractionally lower at 14½c. to 15c. per pound. None of the several varieties of anise has had much demand for some time past.

Caraway — Competition locally was more active and under its impact prices were reduced to 16¾c. to 17¼c. per pound for Danish, and 17c. to 17½c. for Dutch seed. Demand was jobbing.

Cardamom—Most prices were nominal and subject to confirmation. Such as they were, quotations on bold, bleached seed stood at $3.40 per pound; medium, bleached, $3.25; decorticated, Guatemalan, $2.63 to $2.65. All were subject to confirmation.

Celery—French seed for replacement was quoted from France as high as 26c. per pound last week. Recent purchases had been made at 23c. c & f, in bond. At the 26c. level, the goods would cost at least 27c. landed, which accounts for a spot price that was strong at 28c. to 28½c. Indian seed for later arrival was 24½c. to 25c. Spot held unchanged at 25c. to 25½c.

Coriander—Italian seed was nominally 7c. per pound. Morocco seed on an afloat basis, was 7½c. to 8c.

Fenugreek—Morocco seed was in better supply, the result of additions to the recently low supply. Prices were down to the basis of 9½c. to 10c. per pound.

Mustard—California producers offered brown seed at the source on the basis of 8½c. to 9c. per pound. Montana yellow, also at the origin, was priced lower at 11c. to 11½c.

Spices

Cassia—Most varieties showed strength and at the close of last week, Canton rolls were higher at 11c. to 11½c. per pound and the selected broken rolls were inside at 10½c. to 10¾c. Honan and Yunnan scraped rolls were up to 15c. to 16c. per pound and the broken varieties were lowest at 14½c. to 15c. Unscraped Honan rolls were 12½c. to 13c. and broken material, 12c. to 13c. All medium Saigon was advanced to 34c. to 35c. and the all thin item was lowest at 41c. to 42c.

Clove—Futures quoted from Madagascar were cheapest at 21½c. to 22c. per pound. Some were recently bought in France at 20c.

Ginger—African root was lowest at 48c. to 49c. per pound and still higher prices were expected between now and another crop becoming available for trading. Jamaican root was not changed but the article was increasingly hard to find on spot and nothing was forthcoming from the origin.

Mace—No. 1 Siauw was raised to 89c. to 90c. per pound. West Indian was slightly lower at 85c. to 86c. Banda remained strong at 98c. to 98½c. and Amboyna at 75c. to 75½c. was not in over supply.

Nutmegs—East Indian material on spot was higher at 41c. to 42c., futures could be bought around 39c. to 40c.

Paprika—Chilean pepper was higher at 22c. to 24c. per pound and Portuguese was minimum at 39c. to 40c. Reports suggested that sweet Hungarian pepper may reappear on the spot since the Hungarian policy of removing the hot element from the material is to be restored that the item may more readily compete with the mild product of Spain.

Pepper—Inactivity continued to squeeze prices down and spot quotations late last week were down to $1.30 per pound depending on seller. Afloats were quoted $1.30 to $1.32; January-March, 94c. to 95c. White pepper remained strong and was hard to get.

Those who wholesale black whole pepper at $1.27 per pound may find some interest in the fact that it sells at $2.25 per pound in whole form, packaged and on the retail grocers' shelves. Quite a markup, my masters.

Los Angeles Botanical Market

Los Angeles, Aug. 25.—The local market has been very dull with little trading reported over the past week. Pepper continues rise in price with quotations of $1 35 for black and $172 to $180 for white. Other quotations are:—Belladonna, leaf, $1 per pound. Marjoram, French, 38c. per pound. Sage, Dalmatian, 23.5c. per pound for lots containing less than one percent stems. Savory, French, 21c. per pound. Sweet Basil, $1.06 per pound for lots containing less than one percent stems. Thyme, French, 22.5c. per pound.

Green Book Error

Through an inexplicable error, the name of Ovimpex Incorporated, 149 Broadway, New York, is printed throughout the 1949-50 edition of the GREEN BOOK BUYERS DIRECTORY as "Orimpex Incorporated." The editors regret this mistake and wish to call the attention of all to the correct spelling of this supplier of fishmeal and scrap, fish oil, fishliver oil, codliver oil and meat scrap.

COMPLETE WEST COAST CHEMICAL SERVICE

Warehousing

Custom Grinding

Complete 2,4-D Processing Equipment

Grinding & Packaging of Powders (carloads to ounces)

Mixing & Filling of Liquids (tank cars to pints)

•

HECKATHORN & CO., LTD
4th St. & Cutting Blvd.
P. O. Box 1407
RICHMOND, CALIFORNIA

MUSTARD FLOUR
ALL GRADES
U S P
U S P BROWN
Special for Mayonnaise
Old Dutch Mustard Co., Inc.
Manufacturers
80 Metropolitan Ave., Brooklyn 11, N.Y.
Phone EVergreen 7-9156

WE PACK POWDERS

Custom Packing in packages from 2 oz. to 1 bbl. capacity. Our equipment includes mixing, filling and sealing. We can also store and deliver.

Write us regarding your problem.

JOHN WILEY JONES CO.
Caledonia, N. Y.

ALLAIRE, WOODWARD & CO.
Peoria 1, Illinois
Established 1873
PHARMACEUTICAL CHEMISTS & DRUG MILLERS
A complete line of
FLUID — SOLID — POWDERED EXTRACTS and CONCENTRATIONS
Special Solid Extracts designed for rapid conversion into Fluid Extracts without filtration problems.
ALOIN A SPECIALTY
INQUIRIES INVITED
Chicago Office 1036 W. Van Buren St. Monroe 6-8480
Peoria Factory 2-5493
New York Office 381-4th Ave. Murray Hill 9-6180

FOUNDED T & B 1856
VANILLA BEANS
For over 90 years the recognized source of supply
THURSTON & BRAIDICH
286 Spring Street, New York 12, N. Y.

M. Cortizas & Co.
IMPORTERS OF VANILLA BEANS ALL VARIETIES
731-733 ARCH STREET
PHILADELPHIA 6, PA.
CABLE ADDRESS — VANCORT
CODES · BENTLEY'S SECOND PHRASE AND PRIVATE

VANILLA BEANS
ZINK & TRIEST CO.
15 LOMBARD STREET PHILADELPHIA 47, PA.

"SYNTHOMENTHOL"
Synthetic Menthol Crystals Having Cooling Effect and Odor Similar to Natural Menthol
•
SACCHARIN U.S.P.
Insoluble and Soluble Powder-Granular-Rice Crystals
•
RUTIN
Therapeutically valuable in the treatment of capillary fragility associated with hypertension
•
DULCIN · PHENACETIN U.S.P. · ASPIRIN
(Paraphenetolcarbamide) (Acetophenetidin) (Acetylsalicylic Acid)
•
CAFFEINE · VANILLIN · COUMARIN
•
BRUCINE ALKALOID - CAMPHOR U.S.P.
MERCURIAL SALTS - ANETHOL N.F. - ANISE OIL U.S.P.
•
AMINOPYRENE · ANTIPYRENE · BARBITAL
(PYRAMIDON) (VERONAL)
PHENOBARBITAL SODIUM
•
Sulfa-Drugs · Penicillin · Streptomycin
DRUGS - PHARMACEUTICALS
FINE CHEMICALS VITAMINS
BENDIX CHEMICAL CORPORATION
422 LEXINGTON AVE., N. Y. 17, N. Y. MU-3-3204 CABLE ADDRESS: BENDIXCHEM

MAGNUS MEANS RELIABILITY

M&R MAGNUS

Beat the High Price of Lime Oil with

SCIENTIFICALLY MANUFACTURED
IMITATION LIME OIL
DISTILLED TYPE MM&R
IMPROVED

Recent laboratory experiments have resulted in exclusive improvements in MM&R's Imitation Lime Oil. Users will find this improved product exceptionally full-flavored, almost indistinguishable from the natural in virtually every characteristic. Priced to give worthwhile savings.

GRAPEFRUIT OIL, PURE
NOW ADVANTAGEOUSLY PRICED

MAGNUS, MABEE & REYNARD, INC.

Write MM&R for price schedule and further information

16 DESBROSSES STREET, NEW YORK 13, N. Y.
221 NORTH LA SALLE STREET, CHICAGO, ILL.

Los Angeles: Braun Corp. • Seattle, Portland, Spokane: Van Waters & Rogers, Inc.
San Francisco: Braun-Knecht-Heimann Co.

SINCE 1895 . . . ONE OF THE WORLD'S GREATEST SUPPLIERS OF ESSENTIAL OILS

MYSORE GOVERNMENT SANDALWOOD OIL

Distilled at Linden, N. J., from selected Mysore Heartwood by Sole Distillers and Selling Agents

W. J. BUSH & CO.
INCORPORATED
11 East 38th Street, New York 16, N. Y.

ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

Florasynth LABORATORIES, INC.
1533 OLMSTEAD AVE • N. Y. 61, N. Y.

SUPREME AROMATICS
ESSENTIALS • FLAVORING
PERFUME • OILS
Chicago 6, Los Angeles 13 and other principal cities in the U. S., Canada and Mexico

Spot TERPENES OF ORANGE-LEMON-LIME Available in drum lots

FLAVORING MATERIALS | ESSENTIAL OILS | AROMATIC CHEMICALS

D. W. HUTCHINSON & CO., INC.
162-164 FRONT STREET, NEW YORK 7, N. Y.
FOUNDED 1896
Telephone: WHitehall 3-4774

OLEORESIN CAPSICUM NF VIII . . .

Made on the spot from domestically grown, freshly gathered chilies, this important seasoning specialty has definite advantages for condiment manufacturers, meat packers and others . . . . lower price, fine physical appearance, uniformly high red color and low degree of pungency. Price-wise and quality-wise, it is a timely and excellent "buy". Available for spot-delivery or on contract.

FRITZSCHE Brothers, Inc. Established 1871

ASK US FOR CURRENT QUOTATIONS
Phone, Write or Wire

PORT AUTHORITY BUILDING, 76 NINTH AVENUE, NEW YORK 11, N. Y.

BRANCH OFFICES and *STOCKS: Atlanta, Georgia, Boston, Massachusetts, *Chicago, Illinois, Cincinnati, Ohio, Cleveland, Ohio, Dallas, Texas, Detroit, Michigan, *Los Angeles, California, Philadelphia, Pennsylvania, San Francisco, California, *St. Louis, Missouri, *Toronto, Canada and *Mexico, D. F. FACTORY: Clifton, N. J.

Essential Oils, Other Aromatics

The essential oils market last week was marked by advances in three materials and reductions in five. The advances outweighed the declines in influence on the weekly price index and caused the figure for the period to advance 0.3 point. Citronella from Java, ginger and patchouli were the oils that showed strength. Those that weakened were:— Mexican and West Indian lime, sweet, distilled orange oil, palmarosa, natural and redistilled peppermint and pimento berry. The aromatics held unchanged.

Business on the whole appeared to be on the upswing. A number of sellers reported that sales were a bit stronger than they had been, although the gains were for the most part spotty, and it was hard to tell just what turn the market would take.

Sales to soap makers were reported to be good and the cosmetics sales showed considerable strength. This was attributed to the fact that some manufacturers were already preparing for the Christmas season and taking the necessary raw materials well in advance.

Sales of flavoring materials used mostly in Summer beverages and confections were largely over for the season, but sellers had no disappointments over the turnover. It had been a good season; better than was expected earlier in the year. Some flavors that generally move in year-around volume were still doing well and expected to continue doing so, but there was some drop in the turnover of materials used in sun tan oils and such specialty items.

Market Trends

Prices Advanced

Citronella oil, Java type, 20c. per lb.
Ginger oil, $5.50 per lb.
Patchouli oil, $1 per lb.

Prices Reduced

Lime oil, distilled, Mexican, 50c. per lb.
West Indian, 50c. per lb.
Orange oil, sweet, distilled, 20c. per lb.
Palmarosa oil, 25c. per lb.
Peppermint oil, natural, 10c. per lb.
redistilled, 30c. per lb.
Pimento oil, berry, 40c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
108.8	108.5	105.8	114.3

(*For Current Prices see Page 9*)

Essential Oils

Bergamot—This material held to its previously noted position on price during the past week. There was recently a strengthening noted in the replacement position of the material in Messina. It was said that there were sufficient supplies of the material noted on this market and the demand was reported to be largely unchanged from the recent past.

Bois de Rose—Essentially, this market was without change during the period under review. The demand for the item continued at fairly good levels while the supply was reported to be ample to satisfy normal ordering. There were no indications of any revisions in listings here, barring new prices at the source.

Cardamom—The market for this material continued fairly strong during the past week, but the prices were reported to be without change. Inquiry was reported to be showing a somewhat better tone.

Cedarwood—Supplies of this material continued to be sufficient to satisfy the market and the demand was reported to be about normal, but it was said in some quarters that with the price structure what it is and labor costs where they are, there is a question whether it pays to distill the product.

Citronella — The market for Java type oil advanced 20c. during the past week. Stocks of the Ceylon material held in this country were reported to be at satisfactory levels and the demand was said to be at a level sufficiently high to satisfy sellers. One quarter reported that the price of the Ceylon for shipment was higher than for spot, which indicated that domestic prices would go up or that the shipping price would have to go down. The range during the week remained unchanged for both the Ceylon and Java.

Clove—No particular changes were reported in the market for this material during the past week. Supply and demand held at about previously noted levels and there were no changes reported in the price range.

Coriander—The high-of-the-range price of this material was held last week at $35 per pound, solidifying a trend established also, during the previous week. And, the low side of the range showed no change at $29. Demand was reported to be coming in at good levels and in steady volume while the supply of the item was sufficient to satisfy normal needs.

Costus—No noteworthy changes were reported in the market for this item during the past week. Supplies held to their recently noted levels and the demand remained about unchanged. There were no changes in quotations reported.

Cubeb—Pricewise, this material was reported to be without change during the past week. Supplies continued at about previously noted levels and the demand was approximately what it had been in the recent past.

Ginger—This material advanced $5.50 a pound on the low side of the range to become $21 last week while the high side of the range advanced from $20 to $25. Supply continued very tight and the demand was strong. In some cases sellers were restricting orders to small lots and only to old customers.

Lavandin—Reports were that the price abroad for shipment was going higher although this was still not reflected on the American market where prices during the past week continued to hold at their previously established levels. Supplies of the product were said to be reasonably good and the demand for the item was at pretty good levels.

Lavender Flower—Demand for this material continued to be felt at satisfactory levels during the past week and the supply situation was called fair, although not quite so strong as it was. Pricewise, however, the market remained quiet without any suggestions of immediate change.

Lemon—Prices on this oil were reported to be without change during the past week. Demand continued at fairly good levels, although the peak of the Summer bottling season was over. All in all, sellers of the material had enjoyed a good season as far as sales of this material were concerned. Early in the year they were not so sure that their turnover would be very good, but the weather was on their side and week after week of heat sent sales of Summer beverages soaring and the consumption of raw materials soaring with it. There would still be some sales made for the Summer trade, it was expected, and, of course, the usual year-around sales for other uses. Supplies were sufficient to take care of the demand. Oil from Messina was still something of a problem to sellers for there were, as usual, oils of various qualities being offered and the reseller had to use his discretion in buying.

Lemongrass—Prices of this material remained stable during the past week although there were reports that it was being offered at more abroad than it was attracting on this market, indicating either that there was peinty of it available here or that there would be some price fluctuations before long. It was thought by some in a good position to know that the former was the case. Reliable reports had it that there was a more than ample supply of the goods in this country.

Lime—After causing a good deal of trouble during the Summer months as far as the supply was concerned, this item was back on the market again during the past week as the new crop began to come in. This was a normal situation for the peak of the demand always comes during the Summer bottling season when the supply is lowest and just before the new crop comes in. The bulk of the Summer buying was now over but it was still a bit too early to tell what trend the new crop material would take on price. There have been suggestions of a downward trend in price, but this is still none too certain. It had been reported recently that large parts of the crop had been bought up by foreign buyers and that there would possibly not be a great deal of material for the American market, particularly next season when the demand again goes on the upswing. There were decreases in both Mexican and West Indian last week, but in view of the fact that there were new crop influences it was difficult to say how long these would remain in effect. The safest estimate seemed to be that the market was still unsettled.

Ocotea Cymbarum—Demand from soap makers and the textile industry was reported to be at pretty good levels at this time and the supply of the item was said to be at levels sufficient to satisfy the market. There were no price changes reported during the past week and no suggestions that any were to be expected immediately.

Orange—The price of sweet, distilled went down to 30c. last week but others re-

For Late Market Developments, See Page 4

ained unchanged. Supply and demand ere also in a condition that pretty much esembled that of the year before. Although the demand was still at good levels, he buying for the Summer beverage trade, arring an exceptional turn in the eather, was about over for this year. ellers had no particular complaint to find ith the season, for all in all it had been a ood one and exceeded the indications nd even the hopes of the early Summer. ontinued hot weather was of great value o the trade and was the principal factor n moving good quantities of the oil roughout most of June, July and August.

Palmarosa—This material dropped 25c. a pound on the inside of the range during he past week to make the new low quotation $6.25. The high side remained unchanged at $9.

Patchouli—As supplies of this material continued tight, there were advances in both the high and low sides of the range during the past week. The low side went up from $6.50 to $7.50, and the high side advanced from $8 to $9.50. Demand was said to be running about fair, but the difficulty seemed to be getting the material at the source.

Peppermint — Natural oil dropped to $5.40 per pound, and the redistilled became lowest at $5.65. A report from the Department of Agriculture stated:—"In Michigan, mint made amazingly good growth during the first half of August. Many growers feel that this may improve yields. Some harvesting has begun but is not expected to be heavy until around August 20. In Washington, the latter part of the season was favorable for peppermint, and the crop looks fairly good generally as the distilling season gets under way. However, most growers expect somewhat lower yields than a year ago."

Pimento—The price of the berry oil decreased from $4.25 to $3.85 on the New York market last week while the high side of the range for the leaf oil advanced from $1.80 to $1.90. Supplies were said to be sufficient to satisfy normal demand, but in general the demand for the material was not running to any great levels.

Spearmint—Demand for this material was said to be at not particularly high levels during the period under review. Stocks were ample but the indications were that the new crop would not be up to the levels of last year. There were no changes recorded in the price range during the week.

Spruce—As far as price was concerned, there was nothing new to report for this material during the past week. Stocks were said to be holding at good levels and the

Essential Oils
Terpeneless
Natural Flower Products
Perfume Compounds
Aromatic Chemicals
Flavoring Materials

UNGERER & COMPANY
161 SIXTH AVENUE · NEW YORK 13 Plant and Laboratories, TOTOWA, N. J.
CHICAGO · BOSTON · PHILADELPHIA · ST. LOUIS · LOS ANGELES · ASHEVILLE

PERFUMERS' SPECIALTIES
BUSH AROMATICS INC.
135 LIBERTY STREET NEW YORK 6, N. Y.

Dr. ALEXANDER KATZ & Co. Division of
F. RITTER & CO.
Essential Oils and Aromatics for Flavoring, Perfume, and Allied industries.
NEW YORK 10, N. Y. LOS ANGELES 27, CAL

ROURE-DUPONT INC.
General Office
366 MADISON AVE., NEW YORK
Chicago Branch
510 North Dearborn St.
Los Angeles Branch
5517 Sunset Blvd., Hollywood
Sole Agents in U.S.A. and Canada for
Roure Bertrand Fils and Justin Dupont
Grasse (A.M.) France Argenteuil (S.&O.) France
ESSENTIAL OILS
AROMATIC PRODUCTS

If it smells good,
it sells better

You need sales scents... see NORDA

You can't sell people common scents. Today's best-sellers are today's best-smellers.

Let Norda help you get more new customers and keep all your customers happy. It's easy. Norda makes *selling* scents. Norda can supply you with the makings of real money-makers.

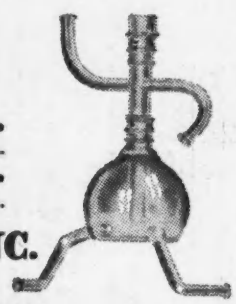
Norda would like to work with you. We want to help you sell more today, and plan products to sell well tomorrow. What's puzzling you? Maybe it might not puzzle our men, with their years of experience in solving tough problems. Norda makes good scents . . . so write, wire, or call us . . . soon!

- Get yours today . . . free samples of Norda odors, essences, fragrances . . . and latest price list.

Norda ESSENTIAL OIL AND CHEMICAL COMPANY, INC.
601 West 26th Street, New York 1, N. Y.
CHICAGO • LOS ANGELES • ST. PAUL • MONTREAL • TORONTO • HAVANA
MEXICO CITY • LONDON • PARIS

PERFUME MATERIALS · FLAVORS
FIRMENICH & CIE
SUCCESSEURS DE
CHUIT, NAEF & CIE
GENÈVE SUISSE
FIRMENICH & CO.
250 WEST 18th STREET, NEW YORK 11, N.Y.
CHICAGO OFFICE: 612 NORTH MICHIGAN AVENUE
IN CANADA: CARAMEED, LTD., 350 WALLACE AVENUE, TORONTO

schimmel for Perfume and Flavor Raw Materials and Specialties
SCHIMMEL & CO., INC
601 West 26th St., New York 1, N.Y.

solved
Where to secure Essential Oils of high quality, absolute purity, complete uniformity and real production economy. For more than 150 Years D&O has supplied large and small users with their Essential Oil requirements.

DO DODGE & OLCOTT, INC.
180 Varick Street • New York 14, N.Y.
ESSENTIAL OILS • AROMATIC CHEMICALS • PERFUME BASES • VANILLA • FLAVOR BASES

Are You Sure?
Are you sure that your product reaches your customers just as you made it . . . with its odor as stable as when it left the plant?
The basic ingredients listed below, when skilfully blended, will give your product the effect at the point of sale you intended it to have . . . the effect of a product that has kept the full appeal of its pleasing scent.
Verona aromatic chemicals appear in many of today's popular odors . . . ingredients used in the most successful, nationally advertised soaps, cosmetics and perfumes.
CYCLAMAL
AMUSKAL
CUMIN KETONE
IONONES
JASMINE KETONE
VIOLETTONE
The Scent Sells the Product
Write for our price list
AROMATICS DIVISION VERONA
VERONA CHEMICAL COMPANY
26 VERONA AVENUE NEWARK 4, NEW JERSEY

demand was generally considered pretty good.

Vetiver—Prices continued to hold last week on this material. Bourbon oil was in a tight position because of the recent hurricanes but the demand for it continued good. The Haitian material was said to be in a good position as far as both supply and demand were concerned and the Java was somewhat limited on supply, although the demand for it continued to be felt at good levels.

Wintergreen—Both the supply and demand for this material were reported to be at satisfactory levels during the past week, although of course there was the usual competition coming from the synthetic material. There were no changes reported in the price listings.

Ylang-Ylang—Supplies of this material during the past week were reported to be at levels sufficient to satisfy the trade but the demand for it was not at especially high levels. Prices still held at the following levels:—Bourbon, extra, $10 to $11; Bourbon, $7 to $7.50, and Madagascar, $6.25 to $6.75.

Aromatic Chemicals

Benzophenone—Pricewise, there were no changes reported in the market for this material during the past week. The supply was said to be continuing at good levels and the demand for the material was sufficient to satisfy sellers.

Bromstyrol—There was not a great deal of activity noted in the market for this item during the week but the supplies continued to hold at good levels and the prices were unchanged from the previous listing.

Cetyl Alcohol—Supplies of this material were reported to be at high levels during the week and the demand was about fair. There were no changes noted in the price listings.

Eugenol—Demand for this product was not at especially high levels during the past week but stocks were reported to be easily sufficient to accommodate normal ordering. There were no changes reported in the price listings.

C.H. Lewis Retires From Lewis Chemical

Charles H. Lewis, founder of the Lewis Company and the Lewis Chemical Company, New York, has retired after forty years of active service. His sons, David S. and Bernard B., will continue to operate the business, specializing in wholesale, bulk chemicals as well as retail chemicals.

Lueders Names Southern Agent

George Lueders & Co., essential oils and perfume materials, New York, has appointed George L. Livingstone representative in the southern states. Mr. Livingstone will make his headquarters at 1018 Boulevard N.E., Atlanta, Ga., and his telephone number is Emerson 1411.

Trade Briefs

Lewis J. O'Shea has been appointed vice-president of Eaton Laboratories, Inc., Norwich, N. Y. He was formerly with the Emerson Drug Company.

Parfums Schiaparelli, Inc., New York, has appointed Joseph P. Sheeran western representative, succeeding Arthur G. Hadley, who was recently named vice-president and general manager.

Have your perfuming problems solved by
van AMERINGEN-HAEBLER, inc.
31½ Fourth Ave. • New York 10, N. Y.

Centflor Manufacturing Company
243 West 67th St., New York 23, N. Y.
Telephone: TRafalgar 3-3454-5
VETIVERT BOURBON, VETIVERT JAVA, GERANIUM BOURBON, PATCHOULI PENANG
Afloat and Spot

ZIMCO LIGNIN VANILLIN C.P. U.S.P.
A Natural Source Vanillin
Vegetable origin. Produced by our patented process from coniferous woods.
PURITY
UNIFORM FLAVOR
FINE AROMA and TASTE
CONSTANT AVAILABILITY
SOLUBILITY
For FLAVORS • PERFUMES • COSMETICS SOAPS • COVER ODORS etc.
VERATRALDEHYDE
For Perfuming-Heliotropin note much stronger than Heliotropin.
Warehouse stocks: NEW YORK, CHICAGO, LOS ANGELES
Shipments made DIRECT FROM FACTORY: ROTHSCHILD, WISCONSIN
Additional stocks carried at: ATLANTA, DALLAS, PORTLAND (Ore.), RENSSELAER (N. Y.)
ST. LOUIS, SAN FRANCISCO for emergency deliveries.
Vanillin Division
GENERAL DRUG COMPANY
170 Varick St., NEW YORK 13, N. Y.
WORLD'S LARGEST SUPPLIERS OF VANILLIN

Protective Coatings Materials

Domestic and imported casein advanced in last week's market for coatings materials. One line of alkyd resins was lower, while metallic driers moved in both directions. The index remained unchanged at 208.6.

Demand for dry colors, lithopone and titanium dioxide continued on the rise during the period. Stocks of these materials were ample for the most part, although minor delays were still reported to be cropping up in deliveries of specialty colors. However, resumption of activity by one major dry color producer last Monday was expected to improve the general situation materially. Quotations were maintained.

Buying interest in earth colors was called fair for the season. Sellers expected things to get better in subsequent weeks. There were no price moves, and none were expected. Mercuric oxides were steady, as quicksilver held firm.

Call for whiting was said to be showing some improvement. Reductions of up to 1½ cents per pound were announced by one maker of alkyd resins. Synthetics, meanwhile, were said to be moving in greater volume. Producers looked for a marked increase in business after Labor Day.

Natural gums were without feature. Shellac was stable in New York, as Calcutta continued on even keel. Business here was quite spotty. The better orange lacs remained in narrow supply. Demand for di-isooctyl and dioctyl phthalates was reported to have picked up slightly.

Domestic casein regained all of its previous week's loss, rising 1¼ cents per pound. Imported was ¼ cent higher. Reports from Buenos Aires indicated that producers there were not anxious to make offerings because of the muddled conditions created by the recent devaluation of the peso. Asbestos stocks continued to loosen up. Longs, however, remained practically unobtainable.

Metallic driers, many of which have veered sharply from metal costs for some months, were brought into line. Liquid 13 percent lead linoleate was lowered 3¼ cents. Lead naphthenate was upped ½ cent to 1 cent per pound. Lead tallate was down ¾ cent to 1¼ cents, and the solid 9½ percent zinc linoleate was slashed 7½ cents.

Market Trends

Prices Advanced

Casein, dom., acid-precip., 1¼c. per lb.
Imp., acid-precip., ¼c. per lb.
Lead naphthenate, liq., 16%, ½c. per lb.
24%, ¾c. per lb.
30%, 1c. per lb.
Rosin, gum, New York, B, D, 15c. per 100 lbs.
E, F, G, H, I, K, M, N, WG, WW, X, 5c. per 100 lbs.
Turpentine, gum, New York, 2½c. to 3½c. per gal.
Savannah, ½c. per gal.

Prices Reduced

Lead linoleate, liq., 13%, 3¼c. per lb.
Tallate, liq., 13%, ¾c. per lb.
solid, 30%, 1¼c. per lb.
Zinc linoleate, solid, 9½%, 7½c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
208.6	208.6	206.5	204.1

(*For Current Prices see Page 9*)

Prime Pigments

Black, Carbon—The Bureau of Mines reported July production at 99,423,000 pounds, compared with 97,937,000 pounds turned out during the preceding month and 104,184,000 pounds in July, 1948. Output during the first seven months of this year totaled 726,451,000 pounds, as against 761,820,000 pounds during January-July, last year. July shipments were put at 84,048,000 pounds, which figure compares with 90,624,000 pounds for June and 100,808,000 pounds for July, 1948. Shipments during January-July this year were reported at 648,751,000 pounds, versus 728,680,000 pounds shipped during the corresponding period last year.

Producers' stocks at the end of July aggregated 194,020,000 pounds, opposed to 178,645,000 pounds on hand June 30 and the 105,544,000 pounds held at the end of July, 1948. The Department of Commerce reported June exports at 17,937,000 pounds, compared with 24,376,000 pounds sent abroad for the corresponding period a year earlier. Exports during the first six months of 1949 totaled 152,078,000 pounds, as against 197,051,000 pounds during January-June, 1948.

Blue, Akali—Demand continued to show improvement last week. Stocks remained adequate. Prices were steady.

Blue, Celestial—Supplies, which had been under some pressure because of the shutdown of one major producer, eased considerably during the week with the resumption of activity by the aforementioned maker. Buying interest continued on the rise. There were no price changes, and none were anticipated.

Blue, Iron—Stocks of Chinese, Milori and Prussian blues were ample in last week's market. Consumer inquiry continued to increase. This section was quotationally without feature.

Blue, Methyl Violet Toner—In ample availability, this pigment material was in better call during the period. Prices were steady.

Blue, Peacock—There was no shortage of material in last week's market. Consuming interest was heavier. Listings were maintained.

Blue, Victoria Toner—The price structure remained on a par with previous levels. Demand continued to improve. Stocks were good.

Blue, Violet Toner—Excellent stocks prevailed throughout the market last week. Demand was better. Prices were hard.

Brown, Metallic—Demand was fair for this season. Stocks were plentiful. Prices were without change.

Brown, Sap Crystals—Business was reported to be holding its own in view of the season. There were no price changes, and none were anticipated. Stocks were good.

Brown, Sienna—Both burnt and raw grades remained in excellent availability during the past seven-day period. Demand, which was viewed as fair for this time of year, continued unchanged, as did prices.

Brown, Umber—Importations during the period totaled 340 bags of umber from Larnaca. There was no substantial change in the market position. Demand was reported to be holding its own. Stocks were ample. Prices were firm.

Brown, Vandyke—Consumer inquiry continued moderate. Listings were unchanged. Supplies were ample all around.

Chrome Colors—Resumption of activity by one major producer last week was reported to have lessened the pressure on other makers. Demand for all lead chromates continued good, with indications that this revival of business would carry on into the Fall. Sellers continued to hold the price line in the face of recent increases of about 26 percent in metallic lead.

Lithopone—There was a better demand for this material too last week. Supplies remained excellent, however. The price structure was stable.

Mercuric Oxides—Quicksilver offerings were reported on the decrease last week, as round lots continued to be quoted at $75 per flask. There were some small-lot transactions at $82, but the market price continued at a range of $78 to $82. As for the oxides, conditions remained unchanged. Demand was moderate, but steady. Prices were firm.

Red, Iron Oxide—There was no dearth of either natural or synthetic grades last week. Buying activity was moderate. Prices were maintained all along the line. Imported were 480 bags of iron oxide from Belfast.

Red, Organic Toners—Stocks were good for the most part, although there were minor delays on deliveries for some types. Resumption of activity at plants of one major producer was expected to relieve the supply situation materially. Demand, meanwhile, continued on the rise. Prices were on an even keel.

Titanium Dioxide—Stocks of both anatase and rutile grades were in ample availability during the past week. Producers were particularly heartened by recent announcements that major refrigerator makers planned stepped-up production operations this Fall. Meanwhile, demand was said to be on the upgrade. Prices were firm, and there was no indication of any imminent change in the situation.

Yellow, Zinc—Consumer inquiry continued on the rise during the past seven days. Stocks were ample everywhere in the market. Prices were steady.

Fillers and Extenders

Calcium Carbonate—Call for whiting was reported to be showing some improve-

For Late Market Developments, See Page 4

STEARATES

ALUMINUM
ZINC
CALCIUM
MAGNESIUM
BARIUM

A good source of supply for more than twenty-five years. Better then ever now.

SYNTHETIC PRODUCTS CO.
1798 London Road, Cleveland 12, O.

Here's something NEW and BETTER...

PICCO hi-solv
SOLVENT OILS

Attractive prices, and a host of valuable properties make Picco HI-SOLV Solvent Oils worth investigating. If you use any type of solvent oils, you should get complete data on Picco HI-SOLV, and a free sample for making your own tests. If you will indicate the intended use, we will recommend the best grade.

PENNSYLVANIA
INDUSTRIAL CHEMICAL CORP.
Clairton, Pa.
Makers of Coumarone Resins, Coal Tar Solvents, Styrene Resins, Rubber Plasticizers, Reclaiming Oils, Terpene Resins, Light Solvents, Naphthas, Solvent Oils
Plants at
Clairton, Pa. and Chester, Pa.
Distributed by
Pennsylvania Salt Chemical Co.
Pittsburgh 30, Pa.
and
Harwick Standard Chemical Co.
Akron 5, Ohio

Send for free Sample

Pennsylvania Industrial Chemical Corp.
Clairton, Pennsylvania

Please send me a free sample of HI-SOLV. I wish to investigate HI-SOLV for (application):

Name_____
Company_____
Address_____ (OPJ)

RED YELLOW **IRON OXIDES** BROWN BLACK

C. J. OSBORN CO. 132 Nassau Street, New York 7

Established 1889

MANUFACTURERS OF

ALUMINUM POWDER

FLAKE AND GRAIN FORM FOR ALL PURPOSES

READE MANUFACTURING CO., INC.

Main Office: JERSEY CITY 2, N. J. • Tel.: Journal Square 2-3012 • Works: LAKEHURST, N. J.

solved

sales appeal problems

for all Protective Coatings. Consult D&O.

DO DODGE & OLCOTT, INC.

180 Varick Street • New York 14, N.Y.

ESSENTIAL OILS • AROMATIC CHEMICALS • PERFUME BASES • VANILLA • FLAVOR BASES

ment, but business was still not all it might be. Stocks were plentiful. Prices were maintained.

Mica—Importations during the past week totaled 4,828 cases of mica from Buenos Aires, Calcutta, Madras and Rio de Janeiro.

Synthetic Resins

Reductions of up to 1½c. per pound were announced last week by one maker of alkyd resins. Meanwhile, demand, though still nothing to write home about, showed signs of reviving. In fact, sellers looked for some substantial rise in inquiry after Labor Day. Stocks were ample all along the line.

Natural Resins

The market in New York continued without feature. Buying remained slow. Gums for the most part were in ample availability. Prices were maintained. Importations during the past week totaled 708 bags of copal gum from Matadi and Manila.

Shellac — With the Calcutta market continuing steady, New York prices were firm all along the line last week. Demand in this country was said to be quite spotty during the period. However, importers continued to look for a marked upturn in inquiry within the next few weeks. As to supply, all but the better orange lacs were in adequate availability. Superfine and lemon grades remained narrow. Arrivals during the past seven days totaled 100 bags of buttonlac, 200 bags of kireelac, 1,919 bags of seedlac and 2,587 bags of shellac from Calcutta, Rotterdam and Hamburg.

The Chemical Branch reported Siamese exports of shellac to the United States in June by dollar value at $46,531, compared with a total of $57,337 during the preceding month. Exports of seedlac to this country in June declined to $154,139 from the $215,075 worth shipped in May.

Lacquer Materials

Di-isooctyl Phthalate—Business was reported to be picking up slightly last week. Stocks remained ample. Prices were steady at 40c. to 42½c. per pound.

Dioctyl Phthalate — Demand for this plasticizer was similarly reported on the rise. Supplies continued plentiful. Listings were firm at 40c. to 42½c. per pound.

Nitrocellulose—Call was still on the light side during the period. There was no dearth of stocks. Prices were on a par with previous levels.

Miscellaneous Materials

Asbestos—Stocks continued to loosen up slightly last week. Longs were still practically unobtainable. Shorts, somewhat more ample, were still subject to delays of up to a month. Prices were steady. Imports totaled 534 bags of asbestos fiber from Genoa.

Casein—Domestic regained its previous week's 1¼c. loss, rising to 20c. to 21c. per pound. Imported was also stronger in New York, moving up to a range of 18c. to 19c. per pound. The market in the Argentine was reported to be very

JLS

Yellow Oxide

(Synthetic)

•

J. LEE SMITH & CO., Inc.

EST. 1854

25 ANN ST., NEW YORK 7

ALLIED Experience

ALLIED Facilities

ALLIED Knowledge

All add up to **UNIFORM COMPOUNDS**

ALLIED ASPHALT & MINERAL CORP., pioneer in compounding pitches, asphalt, waxes and gilsonite over 20 years ago, maintains the largest and most complete production facilities in these fields. ALLIED also maintains a highly trained staff of chemists, laboratory workers and research technicians which assures a remarkably high degree of uniformity.

Allied Asphalt & Mineral Corp.

Established 1925

217 BROADWAY, NEW YORK 7 • FACTORY: DUNELLEN, N. J.

AGENTS AND WAREHOUSE STOCKS IN PRINCIPAL CENTERS

BALTIMORE Warner-Graham Co.	CLEVELAND Norman G. Schabel Co.	LOUISVILLE Docks & Sprinkel Co.	PORTLAND, ORE. Miller & Zehrung Chemical Co.
BOSTON Mulcahy & Griffin	DETROIT C. W. Hess Co.	MONTREAL, CAN. Wm. J. Michaud Co., Ltd.	ST. LOUIS Harry G. Knapp
BUFFALO Wetherbee Chemical Co.	HOUSTON Joe Coulson Co.	NEW ORLEANS C. M. Sutton	SAN FRANCISCO E. M. Wells
CHICAGO Philip E. Cole Co.	KANSAS CITY John T. Kennedy Sales Co.	PHILADELPHIA Loos & Dilworth, Inc.	SEATTLE Carl F. Miller & Co.
CINCINNATI Docks & Sprinkel	LOS ANGELES E. B. Taylor Co.	PITTSBURGH Jos. A. Burns	TORONTO, CAN. A. S. Paterson

Quality **SHELLAC**

8-lb. Extra Light

Pure French Varnish

For Lacquer Formulations

- LOW ACID NUMBER
- LIGHT COLOR
- EXCELLENT GLOSS
- GOOD ADHESION
- GREATER FLEXIBILITY
- EXCEPTIONAL CLARITY
- GREATER COMPATABILITY WITH NITROCELLULOSE SOLVENTS

THE MANTROSE CORPORATION

Importers - Bleachers - Manufacturers

136-146 FORTY-FIRST STREET

BROOKLYN 32, NEW YORK

unsettled, producers showing increasing reluctance to make offerings because of the muddled conditions created by the recent devaluation of the peso. Demand in this country remained sluggish for both American and Argentine grades. Stocks of the former were at a low ebb. Meanwhile, offerings of French casein were reported afloat on the New York market, with at least one dealer quoting 20¾c. per pound for first quality. Importations during the period aggregated 6,374 bags of casein from Buenos Aires and Havre.

Gypsum—Arrivals during the past seven days were reported at 6,273 tons and 270 bags of crude gypsum from Hantsport and Hull, respectively.

Lead Linoleate — Producers finally brought the quotation on the 13 percent liquid grade in line with metal costs. The material, which has been unchanged for some months, received a net decrease of 3¼c. per pound. The current price is 29½c.

Lead Naphthenate—This drier, which has moved along more closely with the metal, was upped ½c. to 1c. per pound. Following are current prices:—16 percent liquid, 15¾c.; 24 percent liquid, 21¾c., and 30 percent liquid, 26½c. per pound.

Lead Tallate—This soap was downed ¾c. to 1¼c. in line with the lower cost of tall oil. Liquid 16 percent is quoted at 13½c., while solid 30 percent brings 21c. per pound.

Zinc Linoleate—A reduction of 7½c. per pound was applied to the 9½c. percent solid grade. Currently the material is quoted at 42½c.

Naval Stores

Pine Gum — Prices received by producers for crude pine gum delivered to processing plants during the week ended August 20 averaged $21.15 per standard barrel of 435 pounds for gum purchased outright and $21.69 for gum purchased for the Commodity Credit Corporation loan program, according to the Department of Agriculture. The average of prices paid for all gum was $21.45 per barrel, compared with $21.34 the previous week. This is the first week for which separate price computations were made by the department for commercial purchases and those made by the government.

Receipts at twenty-three reporting plants totaled 15,834 standard barrels of commercial gum and 19,439 barrels of loan gum, or a total of 35,328 barrels in all. The average receipts were 1,536 barrels per plant, compared with 1,520 barrels for the previous week. The turpentine content of the gum was 11.5 gallons for gum purchased under the loan program and 11.22 gallons for commercial purchases, or an average of 11.37 gallons. The rosin content was 298.9 pounds for loan gum, 297.2 pounds for commercial gum, or an average of 298.1 pounds.

The gum was graded as follows:—WW, loan 51, commercial 44, average 48; WG, loan 20, commercial 17, average 19; N, loan 12, commercial 14, average 13; M,

Shawnee
DRY COLORS
"Color Content Guaranteed"

Chrome Greens
Chrome Yellows
Molybdate Orange
Zinc Chromate
Strontium Chromate
Toluidine Reds
Para Reds, Iron Blues
Cadmium Colors
Maroons
Lake Colors
Aluminum Stearate
"Kentucky Color" also distills:
No. 2-D Shingle Stain Oil
Dirty Solvent Recovered

KENTUCKY COLOR & CHEMICAL CO., INC.
General Office and Works:
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities

PURE CHROMIUM OXIDE GREEN

Immediate Delivery

This color of outstanding endurance is of high tinctorial strength and is finding ready acceptance.

Meets Federal Specifications TT-C-306

Immediate shipment from New York, Philadelphia, Baltimore, Los Angeles, or Muirkirk, Md.

1261 BROADWAY
NEW YORK 1, NEW YORK

629 W. WASHINGTON BLVD.
CHICAGO, ILLINOIS

Mineral Pigments

MINERAL PIGMENTS CORP., MUIRKIRK, MD.

Stearates

ZINC STEARATE — For PHARMACEUTICALS, COSMETICS, RUBBER, PAINTS, VARNISHES, LACQUERS, PLASTICS.

ALUMINUM STEARATE — For PAINTS, VARNISHES, LACQUERS, LUBRICATING GREASES, INKS.

CALCIUM STEARATE — For PAINTS, VARNISHES, LACQUERS, WATER-PROOFING, SURFACE COATINGS.

BARIUM STEARATE

MAGNESIUM STEARATE

Where Uniformity Is An Achievement

PLYMOUTH BRAND

Technical Service Available • Send for Samples and Data

M. W. PARSONS
Imports and PLYMOUTH ORGANIC LABORATORIES, INC., NEW YORK
GENERAL OFFICES: 59 BEEKMAN STREET, NEW YORK, N. Y. FACTORY: BUSH TERMINAL BUILDINGS, BROOKLYN, N. Y.
DISTRIBUTION POINTS AND AGENTS IN ALL PRINCIPAL CENTERS

Distributors
THOMPSON-HAYWARD CHEMICAL CO., Kansas City, Mo., and Branches
O. L. WEST, Philadelphia, Penna.
HAWXHURST & CO., San Francisco & Los Angeles, Cal.

you can get all 4 from 1 dependable source

PHTHALIC ANHYDRIDE . . . Used as an intermediate in the manufacture of alkyd resins for paints, varnishes, enamels and other finishes; as a basic material in the manufacture of phthalate esters and dyestuffs.

MALEIC ANHYDRIDE . . . Used alone or in combination with other acids in the manufacture of alkyd-type resins, esters, plastics and for the treatment of oils.

BENTHAL . . . A monobasic acid designed and priced especially for the resin industry. The replacement of a portion of the dibasic acid with Benthal in alkyd resins will retard the bodying and permit longer processing time in order to reduce the acid value of the product. Benthal becomes part of the resin molecule and acts as an internal plasticizer — improving flexibility and adhesion.

TRIPHENYL PHOSPHITE . . . Used as a color stabilizer in pale-bodied alkyds.

Increased production, improved products, greater sales and better profits are possibilities for you through the use of phthalic anhydride, maleic anhydride, triphenyl phosphite and Benthal — four important chemicals available at favorable prices from Monsanto. All are in ample supply for your current products and for those your research may develop. These Monsanto Chemicals are used extensively in the manufacture of resins, coatings, esters, dyestuffs and fine chemicals.

Technical information, samples and quotations will be sent on request. Mail the coupon or write: MONSANTO CHEMICAL COMPANY, Desk H, Organic Chemicals Division, 1713 South Second Street, St. Louis 4, Missouri.

Benthal: Reg. U. S. Pat. Off.

MONSANTO
CHEMICALS for PLASTICS

MONSANTO CHEMICAL COMPANY
Desk H, Organic Chemicals Division
1713 South Second Street, St. Louis 4, Missouri
Please send me further information ( ); samples ( ) of_____
Name_____ Title_____
Company_____
Address_____
City_____ State_____

SERVING INDUSTRY . . . WHICH SERVES MANKIND

OHIO-APEX, INC.
NITRO, WEST VIRGINIA

OHIO APEX INC. NITRO, W. VA.

PLASTICIZERS
FOR ALL PURPOSES

WAREHOUSE STOCKS ARE NOW AVAILABLE IN THE FOLLOWING CITIES:

BOSTON, MASS.	Philipp Bros. Chemicals, Inc.	176 Federal Street
CHICAGO, ILL.	Central Solvents & Chemicals Co.	2545 W. Congress Street
CINCINNATI, O.	Amsco Solvents & Chemicals Co.	4619 Reading Road
CLEVELAND, O.	Ohio Solvents & Chemicals Co.	3520 W. 140 Street
DETROIT, MICH.	Western Solvents & Chemicals Co.	6472 Selkirk Avenue
GRAND RAPIDS, MICH.	Wolverine Solvents & Chemicals Co.	1500 Century Avenue
HOUSTON, TEXAS	Texas Solvents & Chemicals Co.	8501 Market Street
INDIANAPOLIS, IND.	Hoosier Solvents & Chemicals Co.	1650 Leutt Avenue
LOS ANGELES, CAL.	Griffin Chemical Co.	555 South Flower Street
LYNDHURST, N. J.	Stoney-Mueller, Inc.	Page & Newark Avenues
MILWAUKEE, WISC.	Wisconsin Solvents & Chemicals Co.	1719 S. 83rd Street
NEW ORLEANS, LA.	Southern Solvents & Chemicals Co.	1854 Jefferson Highway
PROVIDENCE, R. I.	Philipp Bros. Chemicals, Inc.	511 Westminster Street
SAN FRANCISCO, CAL.	Griffin Chemical Co.	1000 16th Street
ST. LOUIS, MO.	Missouri Solvents & Chemicals Co.	419 DeSoto Avenue

Phone or Write Our Nearest Representative for Complete Service

STANDARDIZED AND SPECIAL

- ZINC
- CALCIUM
- STRONTIUM
- MAGNESIUM
- ALUMINUM
- BARIUM

stearates

More than 20 Grades and Types Available. Samples on Request

MALLINCKRODT CHEMICAL WORKS
82 Years of Service to Chemical Users
Mallinckrodt St., St. Louis 7, Mo. • 72 Gold St., New York 8, N.Y.
CHICAGO • CINCINNATI • CLEVELAND • LOS ANGELES
MONTREAL • PHILADELPHIA • SAN FRANCISCO

SOLVENTS

AROMATICS	ALIPHATICS	TURPENES
Benzol	Lacquer Diluent	Turpentine
Xylol	V M & P Naphtha	Dipentine
Toluol	Stoddard Solvent	Pine Oil
Hi-Flash	Mineral Spirits	Pinene
ALCOHOLS	**ESTERS**	**KETONES**
Ethyl	Butyl Acetate	Acetone
Isopropyl	Ethyl Acetate	Diacetone
Butyl	Isopropyl Acetate	Methyl Ethyl Ketone
Amyl	Amyl Acetate	Methyl Isobutyl Ketone

ALL BLENDED TO YOUR SPECIFICATIONS

Custom-made to conform exactly to your specific needs.

Rigid laboratory control assures uniform high quality and dependable results.

Over one-half million gallon storage capacity to serve you economically.

☆

SUBMIT YOUR SOLVENT PROBLEMS TO US FOR PROMPT AND ACCURATE SOLUTIONS

IN THE PORT OF PHILADELPHIA
GEORGE SENN, INC.
2200 E. WESTMORELAND STREET • PHILADELPHIA 34, PA., U. S. A.
Cable Address: SENCO, PHILADELPHIA

loan 6, commercial 13, average 9, and K and below, loan 11, commercial 12, average 11 percent.

The record of the gum naval stores markets over the week ended August 26 was as follows:—

Gum Rosin

Price per 100 lbs.

	Savannah Exchange (Low of range)					New York c.l., l.c.l., f.o.b. ex N. Y. whse.	
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday	
B	$5.75	$5.75	$5.75	$5.75	$5.75	$7.25	$8.00
D	6.00	6.00	6.00	6.00	6.00	7.25	8.00
E	6.36	6.36	6.36	6.36	6.36	7.60	8.35
F	6.42	6.42	6.42	6.42	6.42	7.60	8.35
G	6.42	6.42	6.42	6.42	6.42	7.60	8.35
H	6.44	6.44	6.44	6.44	6.44	7.60	8.35
I	6.44	6.44	6.44	6.44	6.44	7.60	8.35
K	6.44	6.44	6.44	6.44	6.44	7.60	8.35
M	6.56	6.56	6.56	6.56	6.56	7.60	8.35
N	6.56	6.56	6.56	6.56	6.56	7.60	8.35
WG	6.56	6.56	6.56	6.56	6.56	7.60	8.35
WW	6.63	6.63	6.63	6.63	6.63	7.70	8.45
X	6.63	6.63	6.63	6.63	6.63	7.70	8.45
	Drums						
Sales							
Receipts	493	358	768	70	318		
Shipments	4	2,384		1,312			
Stocks	35,184	33,158	33,926	32,684	33,002		

Gum Turpentine

	Savannah Exchange Bulk					New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.)	
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday	
Per gal	.38	.38½	.38½	.38½	.38½	.46½	.56
Sales, bbls.	...	240	...	166	...		
Receipts, bbls.	461	515	638	113	16		
Shipments, bbls.	90	222	26	575	2		
Stocks, bbls.	12,711	13,004	13,616	13,155	13,169		

Ferro Chemical Issues New Stabilizers Data

The Ferro Chemical Corporation, Bedford, Ohio, has published technical data sheets on four new stabilizers. The products are designated number 100, a barium salt of 2-ethylhexoic acid; number 361, a lead organo-silicate; number 301, a basic lead octoate, and number 541, an organo-phosphate. Copies of the data may be obtained from the company at Post Office Box 76, Bedford, Ohio.

McDougall-Butler Ups Schleicker

The McDougall-Butler Company, paint manufacturer, Buffalo, N. Y., has appointed Martin E. Schleicker technical director. Mr. Schleicker, who joined the McDougall-Butler organization in 1944 as a chemist, had been chief chemist until his current appointment.

Atlas Names Heiberger Senior Lacquer Chemist

Atlas Powder Company, Wilmington, Del., has appointed Philip Heiberger senior lacquer chemist of the Stamford, Conn., branch of its industrial finishes department. Mr. Heiberger was formerly with R. L. Evans Associates, chemical consultant, New York, for four years.

The department has also announced the introduction of a new line of gloss lacquer enamels for manufacturers of wooden toys, chain store household items and novelties. The new product, known as "Zapon 401-191," may also be used on pretreated or primed metal, according to the company.

Trade Briefs

E. I. du Pont de Nemours & Co. has announced that Miss Alice E. Byrnes, Herkimer, N. Y., recently became its 100,000th stockholder.

Synthane Corporation, manufacturer of laminated phenolic plastics for industry, Oaks, Pa., is producing a new material said to have exceptionally high impact fatigue values and superior machinability.

Rinshed-Mason Company, manufacturer of automotive and industrial finishes, Detroit, has named American Steel Export Company, New York, to handle export sales for its automotive refinishing division.

COLORS

- IRON BLUE
- CHROME GREEN
- CHROME YELLOW
- ORGANIC LAKES
- AND TONERS

For Paint • Printing Ink • Carbon Paper • Rubber • Crayons • Cement, etc.

FILO COLOR & CHEMICAL CORP.
11 BROADWAY, NEW YORK 4, N.Y.
Cable: FILOCOLOR

DI METHYL PHTHALATE

▼

DI OCTYL PHTHALATE

▼

BIRCH-KLINE CO., Inc.
369 LEXINGTON AVENUE NEW YORK 17, N. Y.

Telephone: MUrray Hill 5-6658

Wins Petroleum Award

Dr. Bruce H. Sage, professor of chemical engineering in the California Institute of Technology, will receive the $1,000 Precision Scientific Company award in petroleum chemistry on September 19 during the 116th national meeting of the American Chemical Society in Atlantic City, N. J. Dr. Sage is credited with significantly enlarging the recoverable natural oil resources of the United States.

N.Y. Paint Groups Plan Safety Symposium on Sept. 8

The New York Paint and Varnish Production Club and the New York Paint, Varnish and Lacquer Association will jointly sponsor a symposium on safety on September 8 in the rooms of the Building Trades Employers' Association, 2 Park avenue, New York. The symposium will be held at 2:30 in the afternoon and will be followed in the evening by a dinner meeting of the production club.

Warren A. Cook, director of the division of industrial hygiene and engineering research of the Zurich Accident, Liability & Fire Insurance Company, will be the first speaker at the symposium. His topic will be "Toxicity of Solvents." Harold J. Segrave, New York and northeastern district manager of the Mine Safety Appliance Company, has taken as his symposium topic, "Resume of Respiratory Protection in the Paint and Varnish Industry." The third speaker will be Arthur J. Kleissler, vice-president and treasurer of G. A. Kleissler Company. He will talk on "Fume and Dust Control in the Paint and Varnish Plant."

Allen C. Belyea, field engineer for the Factory Mutual Engineering Division, will speak on "Safety and Hazards in Handling Solvents in the Paint and Varnish Plants." Harold L. Miner, a member of the editorial board of the Crosby-Fisk-Forester Handbook of Fire Protection, will have as his topic "Safety Color Code for Industry." The final speaker will be C. L. Jones, safety engineer of the Hercules Powder Company, whose topic will be "Safety in Lacquer Manufacture."

The Production Club's dinner will be served at 6:30, with Dr. C. B. F. Young, executive vice-president of the National Southern Products Corporation, as the main speaker. He will present a paper on "Tall Oil and Its Use in Paints and Varnishes."

Monsanto Names Two To New Branch Posts

Monsanto Chemical Company, St. Louis, Mo., has appointed Howard Lovejoy assistant branch manager of its Birmingham, Ala., sales district and has placed him in charge of the district's Charlotte, N. C., office. The appointment is effective September 1.

The company has also named James R. Harrington assistant branch manager of the Cleveland office of its phosphate division, and has placed him in charge of the Cincinnati branch of the office. Mr. Harrington's appointment becomes effective on October 1, when Tom K. Smith, jr., whom he succeeds, assumes his new duties as manager of plasticizers and resins sales for the company's organic chemicals division.

Amer. Cyanamid Has New Binder

The plastics department of the American Cyanamid Company, New York, has commenced marketing "Cycor" resin 191, a liquid, synthetic resin binder for sand cores and dry molds. A technical bulletin on the new product may be obtained from the department at 30 Rockefeller Plaza, New York 20.

Glidden Names Martin To Chicago Sales Post

The Glidden Company, Cleveland, has appointed Neil J. Martin sales representative for its chemical and pigment division in the Chicago territory. Mr. Martin has directed sales at the division's plant in Collinsville, Ill., for the past several years, and his position at that plant will be assumed by G. R. Gauen, who formerly represented the paint and varnish division in St. Louis and San Francisco.

Corbin Discusses Industrial Finishes at Design Seminar

M. H. Corbin, president of the Standard Varnish Works, New York, spoke on "Finishes for Industrial Products" before a recent industrial design seminar at Lehigh University, Bethlehem, Pa. Assisted by Carl Bauer, industrial sales manager of the company, Mr. Corbin dwelt on the importance of the selection of the proper type of finish for each industrial application.

industrial CHEMICAL SALES

division west virginia pulp and paper company

INDUSOIL DISTILLED TALL OIL

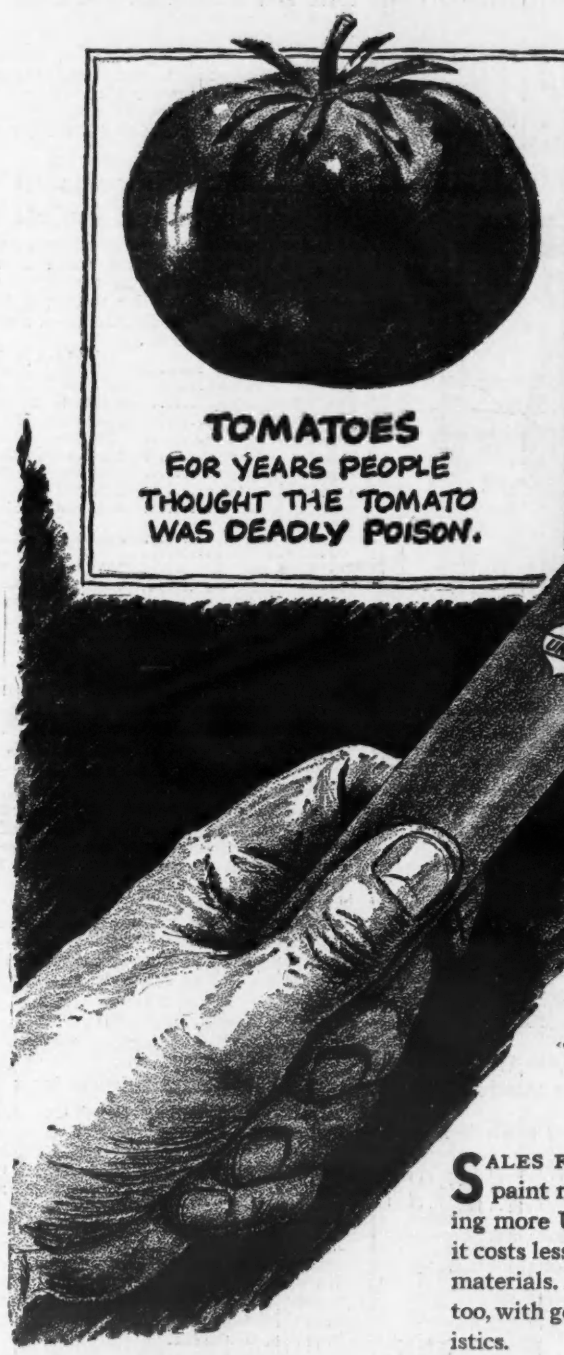
TALLENE TALL OIL PITCH
TALLEX ABIETIC ACID
POLYCEL CELLULOSE FIBERS
PRECIPITATED CALCIUM CARBONATE
NUCHAR ACTIVATED CARBON
SULFATE WOOD TURPENTINE
ALPHA PINENE
BETA PINENE
INDULIN (LIGNIN)
LIQRO CRUDE TALL OIL

SALES OFFICES

New York Central Bldg. 230 Park Avenue New York 17, N. Y
Pure Oil Bldg. 35 E. Wacker Drive Chicago 1, Illinois
Public Ledger Bldg. Independence Square Philadelphia 6, Pa.
Leader Bldg. 526 Superior Ave., N.W Cleveland 14, Ohio

DO YOU KNOW?

By John Doe


TOMATOES
FOR YEARS PEOPLE THOUGHT THE TOMATO WAS DEADLY POISON.
TALL OIL
FOR YEARS ONLY LINSEED AND TUNG OILS WERE USED IN PAINTS. BUT TODAY MORE PAINT MANUFACTURERS ARE USING MORE UNITOL BRAND TALL OIL THAN IN THE YEARS WHEN COMPETING OILS WERE IN SHORT SUPPLY!
ANTHRACITE
FOR YEARS LOCOMOTIVES COULD NOT BURN COAL, EVEN THOUGH IT WAS MORE EFFICIENT, BECAUSE NO ONE KNEW HOW TO BUILD THE COAL FIRING EQUIPMENT.
N°97
UNION

SALES FIGURES show more paint manufacturers are using more Unitol today because it costs less than competing raw materials. It is noncrystallizing, too, with good drying characteristics.

A switch to Unitol now insures substantial savings from now on. Regardless of whether the market price of competing raw materials goes up or down, there will always be a price advantage in using Unitol.

For basic information and formulations for the application of Unitol in the coating field, write today for your copy of "Facts and Formulas for Coatings."

unitol
THE REFINED TALL OIL
TRADE MARK UNION

a Superior Tall Oil . . . product of

UNION BAG & PAPER CORPORATION

CHEMICAL SALES • Dept. B, 52 Broadway, New York 4, N. Y.

CCI
BONE BLACK
All standard grists • Shipped in bags
or barrels in LCL or carload quantities
CONSOLIDATED CHEMICAL INDUSTRIES INC.
ADDRESS INQUIRIES TO: 111 SUTTER STREET, SAN FRANCISCO 4, CALIF.
OR 630 FIFTH AVENUE, NEW YORK 20, N. Y.
CCI

DC SILICONES Silicone News

You can expect
200% to 300%
LONGER LIFE
with Silicone
Base Paints

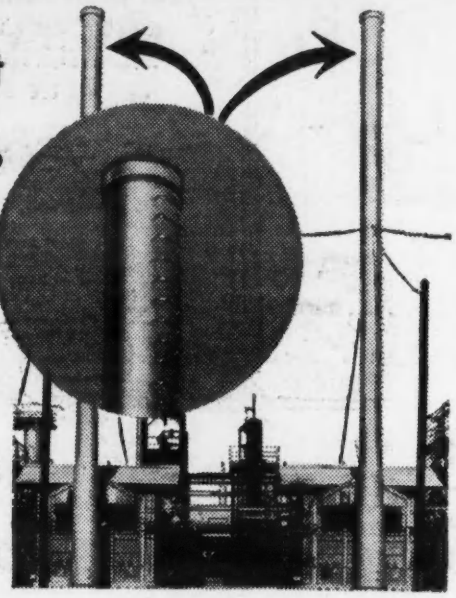


Photo courtesy The Dow Chemical Company
Texas Division, Freeport

The two 50-foot powerhouse stacks shown above were coated in mid 1947 with a heat-resistant, modified silicone-aluminum paint formulated by the Kansas Paint and Color Company.

After more than 18 months exposure to high temperatures and corrosive atmospheres, the silicone-aluminum finish is still in excellent condition and plant engineers are confident of at least another year of satisfactory service. Under similar conditions, ordinary heat-resistant coatings broke down completely in six to nine months.

Here's proof that the superiority of silicone-base finishes more than offsets their slightly higher initial cost. Actual increases of 200% to 300% in service life mean lower maintenance costs for you.

If you have a coating problem involving high temperature and corrosion it will pay you to consult a Dow Corning sales engineer. For more information write for pamphlet No. 8001 Z8.

DOW CORNING CORPORATION • MIDLAND, MICHIGAN
Atlanta • Chicago • Cleveland • Dallas • Los Angeles • New York
In Canada: Fiberglas Canada Ltd., Toronto • In England: Albright and Wilson Ltd., London

Dow Corning FIRST IN SILICONES

ECA Requests Refund On French Wax Purchases

The Economic Cooperation Administration has requested the French Government to refund a total of $66,424.64, representing seven separate vegetable wax purchases which it said were ineligible for financing.

ECA said a refund of $58,888.80, representing the French purchase of 130,864 pounds of Mexican candelilla wax, was requested under Section 112 (1) of the economic cooperation act of 1948, as amended. The wax purchase is ineligible for ECA financing because the delivered price exceeded the prices of this commodity available from the United States.

The candelilla wax shipments were contracted for individually by several French importers with the Banco National de Comercio Exterior, Mexico City, at a uniform price of 45 cents per net pound, f.o.b, Tampico, Mexico. At the time of contracting, ECA pointed out, several American exporters offered sufficient quantities of the same commodity to French importers at substantially lower f.a.s. New York prices.

The other requested refund of $7,535.84 covered purchases of Brazilian carnauba wax which two French importers contracted for at 75 and 74 cents a pound, f.o.b. New York. ECA said that at the time the contracts for these purchases were completed, the commodity was offered to French importers in sufficient quantity by other American exporters substantially below the above contract prices. Accordingly, it considered the purchases ineligible for ECA financing.

Vegetable Oil Imports In January-June Tabulated

United States imports of specified vegetable oils and oilseeds for the first six months of this year, as compared with 1948, are shown on the following table, recently released by the Office of Foreign Agricultural Relations.

	1949	1948
Babassu kernels, lbs	29,562,000	30,625,000
Babassu oil, lbs	2,112,000	1,224,000
Castor-beans, lbs.	135,258,000	153,023,000
Castor oil, lbs	2,610,000	1,153,000
Flaxseed, bus.	148,000	596,000
Linseed oil, lbs	1,298,000	3,015,000
Copra, short tons	164,739	296,309
Coconut oil, lbs	43,419,000	45,688,000
Oiticica oil, lbs	5,156,000	8,229,000
Olive oil:—		
edible, lbs.	9,293,000	18,106,000
inedible, lbs.	359,000	7,350,000
Palm oil, lbs.	61,185,500	28,774,000
Sesame seed, lbs	6,545,000	18,477,000
Tea-seed oil, lbs	78,000	2,572,000
Tucum kernels, lbs	17,140,000	10,212,000
Tung oil, lbs	28,691,000	62,019,000

Carbexport Compliance Report Accepted by FTC

The Federal Trade Commission last week announced its acceptance for filing of the report of Carbon Black Export, Inc., in which the corporation agreed to comply fully with the recommendations of the commission that certain practices be discontinued as being in violation of the Webb-Pomerene act. Acceptance of the report is tantamount to approval of the report by the commission with the understanding, however, that it does not prejudice the commission's right to reconsider the matter again if circumstances warrant.

Campbell Appoints Five New Broker Distributors

Harry T. Campbell Sons' Corporation, Baltimore, Md., has five new broker distributors for the sale of its "Camelwite" calcium carbonate and "Camel Carb" whiting. The new distributors are:— Jensen & McClelland, 510 North Dearborn street, Chicago; Baker & Collinson, 12000 Mount Elliott, Detroit; Smead & Amall, 1630 Hanna building, Cleveland; Worum Chemical Company, 2130 Kasota avenue, St. Paul, Minn., and Pigment & Chemical Company, Ltd., Canada Cement building, Montreal.

Brooklyn Polytech Offers 3 Paint Technology Courses

The chemical engineering department of the graduate evening school of the Brooklyn Polytechnic Institute will offer three paint courses during the Fall semester. On Monday evenings, beginning September 26, there will be courses in oil, resin and varnish technology, and in paint and pigment technology, and on Friday evenings, beginning September 23, there will be an advanced course in the technology of organic coatings.

Trade Briefs

Hilton-Davis Chemical Company, Cincinnati, has placed haulage contracts for the carrying of all combustible trash for burning off the premises.

General Electric Company will establish a warehouse for servicing midwestern "Glyptal" alkyd resin accounts at the Decatur, Ill.., plant of its plastics division.

CUPROUS THIOCYANATE
•
LUCIDOL DIVISION
NOVADEL-AGENE CORPORATION
BUFFALO 5, NEW YORK

BEACON HELPS YOU fight rust
TRIETHANOLAMINE PHOSPHATE 728
ANTI-CORROSION ADDITIVE FOR ALL TYPES OF COOLING LIQUIDS USED IN INTERNAL COMBUSTION ENGINES
Characteristics: A yellow viscous liquid soluble in water, alcohols, glycols and glycerine. Sp.G. 130 pH (10% Aq. Soln.) 7.9-8.3
Use: 2.5% in a suitable cooling liquid will inhibit the formation of rust in airplane, automobile, marine engines and industrial cooling systems.
Write today for experimental sample
THE BEACON COMPANY
PURITY · UNIFORMITY · DEPENDABILITY
Chemical Manufacturers
97 BICKFORD STREET
BOSTON 30, MASSACHUSETTS

Oils, Fats and Waxes

Recent sharp advance in crude cottonseed oil was dissipated last week, prices dropping drastically, which was reflected in other edible oils, while the higher cost of tallow and grease strengthened animal oils and fatty acids and raised quotations. Price index advanced slightly to 131.6, compared with 130.9 the week previous and 205.6 at this time last year.

Buyers withdrew interest in crude cottonseed oil and, under increased offerings, prices broke 2½ cents per pound. This weakened bleachable cottonseed oil futures and brought out heavy selling and liquidation especially in the September delivery.

Soybean oil also was affected and declined 1¼ cents per pound. Corn and peanut oils remained nominal, owing to the scarcity of available stocks. Cocoanut oil was off 1 cent per pound and copra was cut $5 per ton.

Tallow and grease did not sustain an advance of ¾ cent per pound, following weakness of western markets, but were up ½ cent. The advance stiffened animal oils. Grease oils were lifted ½c. to 1c. as to grade, oleo oil and oleo stearine ½ cent and tallow oil ¾ cent.

Fatty acids were firmer. Red oil and stearic acid were boosted 1 cent. Vegetable fatty acids also were advanced, coconut, 2 cents per pound, cottonseed, ¾ cent and soybean, ½ cent.

Crusher raised linseed oil 1 cent per pound for spot and September delivery and ½ cent for October-December owing to the higher cost of flaxseed and easier tone of the linseed meal market.

Improved trading took place in vegetable waxes. Replacement costs were higher which lifted the spot market from 1 to 3 cents per pound, as to variety.

Cottonseed Oil

Sharp price reductions in crude cottonseed oil were reflected in bleachable oil futures and the market registered drastic declines last week especially in September. Most of the selling and liquidation was centered in September and this delivery broke more than 200 points below the high point of 18.65c. reached the week previous. Deferred options also were lower, but not to the extent of September.

Consuming inquiry for crude oil slumped badly, and increased offers, especially from Texas, caused prices to slide downward about 2½c. per pound. Some business was reported in the Southeast at 15c. per pound, tankcars, for immediate shipment and later the market was nominal at 14½c. In Texas first half September declined to 13¾c.; straight September to 13c., and October, 12¼c., tankcars.

Department of Agriculture stated that loans will be made on clean, safely stored cottonseed having moisture of 11 percent or less, under the 1949 crop cottonseed price support program, instead of 10 percent moisture content previously announced. Loans under the program will be made at the rate of $49.50 per ton (90 percent of the August 1 parity of $55 per ton) through December 31 and will mature not later than April 30, 1950.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended August 26 follow:—

	Sales	Cents per pound—High	Low	Close
September	287	18.45	15.83	16.20@16.30
October	348	15.50	14.30	14.70S
December	219	14.25	13.40	13.70S
January	2	13.60	13.45	13.65@13.70
March	61	13.75	13.20	13.35@13.50
May	9	13.30	13.23	13.21@13.40
July	10	13.30	13.15	13.20@13.40

Total sales, 936 tankcars, including switches.

Memphis.—Cottonseed oil market nominal at 14½c. to 14¾c. per pound, tankcars, immediate August and 14½c. early September, Valley basis. Cottonseed meal slightly easier. Mills in this section not in operation. Meal 41 percent offered at $63 per ton, Mississippi and Louisiana mills. Cottonseed cake available at $60 per short ton, bulk September, f.a.s. New Orleans. Crushing in Memphis section expected to start September 10-15.

Linseed Oil

Higher cost of flaxseed and lower meal prices resulted in a stronger tone for raw oil last week. Quotations were lifted one cent per pound for August and September delivery and ½c. for October-December. Tankcars for August delivery were quoted at 19.60c. per pound, New York basis, September, 19.10c., and October-December, 18.10c. Oil on the spot and for September shipment was in light supply and well held. Trading was restricted to small lots.

Market Trends

Prices Advanced

Beeswax, crude, 1c. to 2c. per lb.
Candelilla wax, 1c. per lb.
Carnauba wax, 1c. to 3c. per lb.
Coconut fatty acid, 2c. per lb.
Cottonseed fatty acid, ¾c. per lb.
Grease, ½c. per lb.
oil, ½c. to 1c. per lb.
Linseed oil, 1c. per lb.
Oiticica oil, 1c. per lb.
Oleo oil, ½c. per lb.
stearin, ½c. per lb.
Ouricury wax, 2c. per lb.
Red oil, 1c. per lb.
Soybean fatty acid, ½c. per lb.
Stearic acid, 1c. per lb.
Tallow, ½c. per lb.
fatty acid, 1c. per lb.
oil, ¾c. per lb.

Prices Reduced

Coconut oil, 1c. per lb.
Copra, $7.50 per ton.
Cottonseed oil, 2½c. per lb.
Soybean oil, 1¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
131.6	130.9	116.8	205.6

(*For Current Prices see Page 9*)

Interest in forward requirements slackened as inventories have been replenished by recent heavy purchases.

Minneapolis—Demand for oil fell off sharply as most buyers had minimum requirements well in hand and dropped out of the market as soon as prices showed strength. The rapid advance in cash flaxseed prices raised oil prices to 19c. per pound for August shipment, 18.5c. for September and 17.5c. October forward, in tanks, zone 1.

Shipments of linseed oil, in pounds, were as follows:—

	1948-49	1947-48
This week	9,060,000	9,120,000
Since Sept. 1	336,615,000	378,204,000

Flaxseed—Active demand advanced the price of seed. Crushers purchased heavily.

Minneapolis.—A slowing of flaxseed offerings from the country at the $3.80 price stimulated bidding among crushers and prices mounted to $3.99 during the week. As prices hit the government support level a rush of marketings softened up the demand somewhat and prices reacted to quote at $3.95 for spot and to arrive seed for the northern section of the belt and $3.90 for southern seed. Crushers' purchases were estimated at 3,000,000 bushels of seed in the two or three days that the price was at the $3.99 level, bringing total purchases from the new crop to over 6,000,000 bushels in the Minneapolis market.

Shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1948-49	Receipts 1947-48	Shipments 1948-49	Shipments 1947-48
This week	1,997,300	2,582,300	78,900	204,000
Since Sept. 1	34,407,800	27,340,700	6,053,900	4,229,000

Other Vegetable Oils

Castor, Dehydrated—While trading was light and spotty, market remained steady at current quotations.

Coconut—Crude oil was easier and off 1c. per pound. Offers for August shipment were scarce and named at 16c. per pound, tankcars, f.o.b. Pacific coast while September was available at 14½c. and October 14c., same basis.

Copra—Buying interest slackened and the market was unsettled. Offers for August shipment declined to $180 per short ton, c.i.f. Pacific coast.

Corn—Scarcity of oil for immediate shipment held this market steady. Spot tankcars were nominal at 16c. per pound, f.o.b. mills, and September was 15c. asked, same basis. Business was quiet. Refined oil more or less nominal at 19c., same basis.

Oiticica—Prices of limited stocks for spot delivery were lifted ¾c. per pound. Liquid was quoted at 21¼c. to 21¾c. per pound, drums, as to quantity. Tankcars were nominal at 19½c.

Olive—Trading continued light for immediate delivery. Market was unsettled by offers of low grade oil at lower prices. Spanish and Moroccan oil ranged from $3.35 to $3.50 per gallon, drums, duty paid on spot.

Palm—Trading was inactive. Stocks on the spot unchanged and held at 12¼c. per pound drums and 11⅛c. tankcars. Oil for September delivery was quoted at 10.08c. per pound, New York delivery.

Peanut—An active demand was reported for crude oil with light trading at 20c. tankcars f.o.b. mills Southeast. Later 19c. was asked for September, f.o.b. Texas. Refined oil remained nominal at 23c. per pound, tankcars, New York delivery.

Rapeseed—This market was quiet and merely nominal at 18½c. per pound, tankcars, prompt delivery, New York. Stocks on the spot are scanty.

Soybean—Weakness in competing oils,

For Late Market Developments, See Page 4

TALLOW FATTY ACIDS GLYCERINE STEARIC ACID
RED OIL WHITE OLEINE USP
Glycerine
88% SAPONIFICATION CRUDE
Tankcars - Drums
A. GROSS & CO.
295 MADISON AVE. NEW YORK 17, N. Y.

CARNAUBA & CANDELILLA
HIGH M.P. SUBSTITUTE
BEES & JAPAN WAX
ORANGE BLEACHED SHELLAC
WM. DIEHL & CO.
332 W. 42nd St. N. Y. 18 BR 9-5211

E. A. BROMUND COMPANY
Snowflake Brand
White Sunbleached U.S.P. Beeswax
Carnauba Wax
Ceresine Wax
Ouricury Wax
258 BROADWAY, NEW YORK 7, N. Y.
BArclay 7-8445 Est. 1880

DISTILLED FATTY ACIDS ANIMAL AND VEGETABLE
STEARIC ACID
OLEIC ACID (RED OIL)
WILSON-MARTIN DIV.
WILSON & CO. INC.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

Emery STEARIC, OLEIC, FATTY ACIDS
Processed Under Strict Control
TO MEET SPECIFICATIONS ACCURATELY
ALL GRADES
Animal, Vegetable, Hydrogenated Fish Oil Fatty Acids,
Lard Oil, Glycerine, Pitch, Special Fatty Acid Derivatives,
Twitchell Reagents and Twitchell Oils
EMERY INDUSTRIES, INC.
4300 CAREW TOWER • CINCINNATI 2, OHIO
3002 Woolworth Bldg. 187 Perry St. 401 N. Broad
NEW YORK 7, N. Y. • LOWELL, MASS. • PHILADELPHIA 8, PA.

RED OIL STEARIC ACID
Saponified — Distilled
HYDROGENATED FATTY ACIDS
(HYDREX)
Cottonseed Oil Fatty Acids
Tallow Fatty Acids
Corn Oil Fatty Acids
Specialty Fatty Acid
GLYCERINE
PITCH
WHITE OLEINE
41 EAST 42nd ST., NEW YORK 17
HARDESTY PRODUCTS ARE INDUSTRY'S KEYSTONE
W. C. Hardesty Company
FACTORIES: DOVER, OHIO LOS ANGELES, CALIF. • TORONTO, CAN.

SESAME OIL, U. S. P.
PEANUT OIL, U. S. P.
SINCE 1836
WH&C
Welch, Holme & Clark Co., Inc.
439 WEST STREET NEW YORK 14, N. Y.

RUFERT NICKEL CATALYST FLAKES*
For Hydrogenation of Edible and Inedible Oils
Descriptive Literature Available
RUFERT CHEMICAL COMPANY SEYMOUR, CONNECTICUT
* Patented Phone Seymour 2504

AKUSAKA WAX
replacement for Japan Wax
CORUMBU WAX
replacement for Carnauba Wax
T. G. COOPER & COMPANY, INC.
2400 East Venango St. Philadelphia 34, Pa.

Coconut Oil
crude and semi-refined
Now Available
in Drum
and Tank Car Lots
El Dorado is the nation's oldest and largest producer of Coconut Oils for Industry.
Also:
Fatty Acid Chemicals
* Lauric Acid
* Myristic Acid
* Caprylic Acid
* Capric Acid
All 90% or better in purity
EL DORADO OIL WORKS
311 CALIFORNIA STREET • SAN FRANCISCO, CALIFORNIA

off about 1¼c. per pound. Crude oil declined to 13c. tankcars, f.o.b. mills for August delivery, 12½c. September, 11c. October, and 10¼c. November-December. Refined oil was quiet and nominal at 16c. tankcars, New York delivery.

Tung—Buying interest was less active and the trading was light and spasmodic. Offers, however, continued scarce and well held. Tankcars were quoted at 24¼c. to 24½c. per pound, nearby delivery, New York. Drums were held at 25¾c. to 26¼c. per pound, as to quantity.

Los Angeles.—Increasing prices for spot deliveries and lower prices for September have limited activity to small deliveries for current needs. Coconut oil was easy off ½c. but showing an increase of 2½c. since the first of the month. Tung oil was quoted at 24c. per pound with no oil available, no offerings are expected until October. Tankcars quoted per pound f.o.b. Los Angeles follow:—Castor, No. 1, tankcars, 18.75c.; No. 3, tankcars, 17.5c.; coconut, crude, 16½c.; corn, refined, 21.75c.; cottonseed, crude, 17c. to 17.5c., refined, 21.75c.; peanut, crude, f.o.b. mill, 19.5c., refined, 23.75c.; soybean, crude, 16c., refined, 18.25c.; tung oil, 24c. nom.

Fats and Greases

Greases—This market was stronger and quotations were boosted ¾c. per pound, but lost ¼c. owing to the weakness in western markets. Trading was moderate. Choice white was held at 7½c. per pound, loose delivered; yellow, 6¼c. and house 6c.

Lard—Trading was light and spasmodic. Export inquiry was fairly active. Market was steady. Cash lard was quoted at 13¼c. per pound, tierces, Chicago. Stocks of lard and rendered pork fat in the United States totaled 97,198,000 pounds, August 1, against 103,890,000 pounds, July 1, 174,304,000 pounds, August 1, 1948, and 5-year average of 166,673,000 pounds.

Tallow—Further advances featured this market. Prices scored net gains of ½c. per pound. Business was fairly active as offers became more liberal. Soapmakers purchased moderate quantities at the advance. Fancy was sold 7¾c. per pound, loose, delivered, extra, 7½c. and special, 7¼c.

Animal Oils

Degras—Firm conditions prevailed owing to the tight crude situation. Prices were unchanged and well held. Trading was spotty. Imports of degras totaled 457 drums at New York last week.

Grease Oils—Market was stronger and quotations were lifted ½c. to 1¼c. per pound, as to grade. No. 1 was quoted at 11c. to 11½c. per pound, drums, as to quantity; extra winter strained, 13c. to 13½c. and prime burning, 14c. to 14½c.

Oleo Oil—Prices were firmer with pressing stock. Extra oil was nominal at 15½c. per pound, tierces, New York delivery.

Oleo Stearine—Offerings were light and well held at 11½c. per pound, barrels, New York. Market was firm.

Tallow—Higher cost of pressing stock resulted in an advance of ¾c. Acidless was quoted at 11½c. to 12c. per pound, drums, New York.

Fish Oils

Crude Fish—Offers of crude menhaden oil were scarce and market was nominal at 7½c. per pound, loose, works. Prices was firm with competing oils. Menhaden fishing was reported poor along the coast. Production of menhaden oil totaled 1,411,400 gallons during June, compared with 1,335,615 gallons for the same month last year. The output amounted to 1,940,450 gallons for six months ending June against 1,909,235 gallons, for the same time last year and 8,763,930 gallons for 1948.

Los Angeles.—There has been no production as yet in the sardine industry on the Pacific Coast due to continued negotiations on price contracts for the new crop. New crop sardine oil is expected to follow current spot prices for old crop oil. Two cars of old crop oil were reported bid for at San Pedro, California, at 7.5c. per pound. A small amount of Tuna oil moved at San Pedro at 5c. per pound, about 1c. higher than the local trade had anticipated. No movement in fish oil was reported from the Monterey Area.

Refined Fish—Firmness in crude oil stiffened refined grades, though demand was quiet. Prices were unchanged and steady.

Herring Oil—Production of herring oil in Maine totaled 5,420 gallons in June, compared with 803 gallons for the same time last year. Output was indicated at 23,582 gallons for six months ended June, compared with 39,377 gallons for the same period last year.

Fatty Acids

Higher cost of vegetable oils resulted in price advances of fatty acids. Quotations were raised ½c. to 2c. per pound, depending the cost of oil. Coconut fatty acid was lifted 2c. and 3c. per pound, as to seller. Distilled was quoted at 25¼c. to 26½c. and double 27¼c. to 28¼c. per pound drums as to quantity. Cottonseed fatty acid was up ¾c. to 11½c. to 12½c. per pound, drums according to quantity. Soybean fatty acid was advanced ½c. Distilled was quoted at 13¾c. to 14¾c. and double, 14¾c. to 15¾c. per pound, as to quantity.

Red Oil—Advancing prices for tallow was reflected in red oil and all grades were boosted 1c. per pound. Single distilled was quoted at 12¼c. per pound, tankcars and 13½c. to 14½c., drums as to quantity. Double distilled was 2½c. more. Consuming demand increased at the higher levels.

Stearic Acid—Prices of all grades were lifted 1c. per pound, following the higher cost of grease and tallow. Single pressed was quoted at 15c. to 16c. per pound, bags, according to quantity; double, 15½c. to 16½c. and triple, 17¾c. to 18¾c., same basis.

Tallow Fatty Acid—Increased production costs advanced quotations 1c. per pound. Prices ranged from 11½c. to 12½c. per pound, drums, as to quantity and 10¼c. tankcars.

Cake and Meal

Cottonseed Meal—The boll weevil infestation and rainy weather have delayed movement of cottonseed meal out of South Georgia and South Alabama. It is still too early to tell exactly how much damage recent rains have caused, but there still are prospects for a fairly good crop. The cotton is still very green throughout most parts of Georgia and Alabama, whereas, normally it would be shedding leaves and opening. Forty-one percent sacked cottonseed meal was quoted at $70 per ton f.o.b. Georgia and Alabama mills, August shipment and $68 September with 36 percent $5 per ton less. A few cars of straight September 41 percent meal sold in North Carolina at $70, but no appreciable tonnage is yet available.

Linseed Meal—Trading was quiet. Meal for spot delivery remained firm.

Minneapolis.—Demand for meal was rather quiet, though mills reported no difficulty in selling spot supplies. Prices were steady to 50c. higher with meal, in carlots, bulk, August-September shipment at $57.50 to $58.50 per ton. Forward meal was discounted approximately 50c. per month with very limited sales. Instructions on maturing contracts were fair to good.

Shipments of linseed meal, in pounds, were as follows:—

	1948-49	1947-48
This week	15,420,000	11,680,000
Since Sept. 1	380,580,000	322,820,000

Peanut Meal—There has not been enough peanuts released to fill the demand. The only peanut meal that has traded the last week has been occasional resale cars of 45 percent at a nominal price of $82 per ton basis South Georgia and South Alabama.

Soybean Meal—August and September shipments are still in a tight position. There seems to be a little squeeze on October. During the last week sales have been reported as high as $100 per ton bulk Decatur, but later quotations declined to $94 to $95, same basis. October through December new crop meal was quoted at $65.50 bulk, Decatur, with October through March $1 per ton less. There are occasional cars of soybean meal offered out of the Mississippi Valley at prices ranging from $97.50 to $98.50 sacked basis. There is not enough soybean meal in the southeast to esablish a definite market price. Continued high prices on soybean meal have forced feed manufacturers to use just as little as possible, substituting peanut meal and cottonseed meal.

Waxes

Beeswax—Higher cost of crude wax replacements created a firmer tone in this market. Shipments of crude were higher and quotations were advanced 1c. per pound. African was increased to 46c. to 48c. per pound, as to quantity, and Bra-

Soybeans Crush Smaller

Soybeans received and crushed and production of soybean oil and meal during June and May, 1949, as compiled by Bureau of the Census, follows:—

Soybeans

	June 1949	May 1949
	Tons	
Receipts	318,166	282,636
Crushed	457,914	463,759
Stocks at mills	549,999	689,747

Crude Oil

	Pounds	
Produced	150,583,000	154,183,000
Stocks at mills	39,260,000	37,987,000

Refined Oil

	Pounds	
Produced	124,209,000	118,045,000
Factory and whse. stocks	91,854,000	102,045,000

Cake and Meal

	Tons	
Produced	355,935	364,201
Stocks at mills	17,494	24,756

zilian to 48c. to 49c., same basis. Refined grades were unchanged and steady.

Candelilla—This market was stronger and prices were lifted 1c. per pound. Crude was held at 46c. to 48c. and refined, 49c. to 50c., as to quantity

Carnauba—Active trading was reported for spot delivery and for shipment at higher prices. Replacements were reported sold for shipment from Brazil at floor prices and offers were maintained thereat. Inquiry was active. Quotations for spot stocks were lifted 1c. to 3c. per pound, depending upon grade. Chalky was quoted at 79c. to 80c. per pound as to quantity; North country, No. 3, 83c. to 84c. and refined, 87c. to 88c.; Yellow, No. 1, $1.13 to $1.15 and No. 2, $1.11 to $1.13, according to quantity.

Ouricury—Demand was more active and quotations of refined were raised 2c. to 75c. to 76c. per pound on spot as to quantity.

Malmstrom Moves Chicago Office

N. I. Malmstrom & Co., lanolin manufacturer, has moved its Chicago office from 444 West Grand avenue to 612 North Michigan avenue. Complete stocks of the company's products will continue to be maintained in Chicago.

Fish Oils Production

—Continued from page 4

of 1949, 52,567 tons of meal were produced, compared with 49,576 tons during the corresponding period of 1948.

Data on the production of fish oils, exclusive of liver oils, and fish meal and scrap during the first six months of this year, as compared with the corresponding period of 1948, are as follows:—

	1949	1948
Oil—		
Groundfish, gal.	202,662	200,808
Herring—		
Alaska, gal.	.....	644,403
Maine, gal.	23,582	39,377
Menhaden, gal.	1,940,457	1,909,235
Pilchard (sardine), gal.	145,711	65,706
Tuna and mackerel[1], gal.	141,143	148,119
Other, gal.	62,740	119,883
Total	2,516,295	3,127,531
Meal and scrap—		
Groundfish, tons	15,814	9,613
Herring—		
Alaska, tons	.....	2,523
Maine, tons	560	998
Menhaden[2], tons	26,828	27,247
Pilchard (sardine), tons	2,001	1,647
Tuna and mackerel[3], tons	7,364	7,548
Total, tons	52,567	49,576

[1] Includes oil from market offal.
[2] Does not include menhaden acid scrap.
[3] Includes meal from market offal.

Note—Data on the yield of fish meal and scrap are based on items which normally account for about 92 percent of the total production. Since cumulative totals are revised monthly, they may not agree with totals previously published.

Margarin Output Larger

Margarin production totaled 63,590,262 pounds in June, compared with 59,612,659 pounds in May and 75,869,384 pounds in June, last year, according to the Bureau of Internal Revenue.

	June Pounds	
Production of uncolored oleomargarin	51,435,110	69,484,342
Withdrawn tax-paid	50,826,300	64,430,429
Used in Uncolored Margarin		
Butter flavor	4,792	2,046
Coconut oil	.....	156,880
Corn oil	9,932	76,458
Cottonseed oil	27,023,180	28,981,101
Derivative of glycerin	76,990	109,286
Diacetyl	97	353
Lecithin	92,577	98,825
Milk	8,648,706	11,719,072
Monostearin	46,221	59,936
Neutral lard	335,962	540,940
Oleo oil	278,509	316,875
Oleo stearin	298,511	300,790
Oleo stock	56,950	46,847
Peanut oil	915	2,377,538
Salt	1,549,774	2,235,345
Soda, benzoate of	38,489	51,937
Soybean flakes	425	95
Soybean oil	13,728,740	23,764,140
Sodium sulpho acetate	.....	6,793
Soybean stearin	.....	100
Vitamin concentrate	8,320	10,670
Total	52,199,092	70,856,027
Production of colored oleomargarin	12,155,163	6,385,042
Withdrawn tax-paid	11,151,736	4,971,270
Used in Colored Margarin		
Butter flavor	4,401	169
Coconut oil	.....	68,095
Color	7,134	4,427
Cottonseed oil	5,705,142	2,368,420
Derivative of glycerin	14,933	11,857
Diacetyl	35	.....
Lecithin	22,329	8,128
Milk	2,016,925	1,066,880
Monostearin	8,889	2,172
Neutral lard	28,253	5,851
Oleo oil	43,826	5,275
Oleo stock	16,200	100
Peanut oil	2,112	155,132
Salt	374,033	198,552
Soda, benzoate of	6,910	3,356
Soybean oil	4,061,458	2,559,743
Soybean stearin	.....	125
Soybean flakes	150	2,805
Vitamin concentrate	1,790	1,155
Total	12,318,520	6,462,244

BEESWAX
U.S.P. YELLOW REFINED
U.S.P. WHITE SUNBLEACHED
THE F. B. KOSTER WAX REFINING CO.
GUILFORD Phone 999 CONN.

For Domestic and Export
COTTONSEED MEAL AND CAKE
PEANUT MEAL-SOYABEAN MEAL
Export Codes: ABC 5th, BENTLEY'S JUNIOR PEERLESS
Cable Address: BRODE
Phones: L. D. 271 — L. D. 547
Teletype No. ME-260
THE BRODE CORPORATION
P.O. Box 700 1012 Falls Building
MEMPHIS, TENNESSEE

GEORGE A. MIEL CO., INC.
Custom Wax Blending
Drumming Bleaching WAXES Barrelling Refining
P. O. Box 263, Foot of Page Ave., Lyndhurst, N. J.
RUtherford 2-7985

MALMSTROM NIMCO
FOR IMMEDIATE DELIVERY
COMMON DEGRAS
TANK CARS, CARLOADS, LESS THAN CARLOADS
N. I. MALMSTROM & CO.
147 LOMBARDY ST., BROOKLYN 22, N. Y. 612 N. MICHIGAN AVE. CHICAGO 11, ILL.

PALM SOAP
Bags — Drums — Cars
Write for Quotations and sample
Manufactured by
GENERAL BIOCHEMICALS, INC.
53 Laboratory Park Chagrin Falls, Ohio

DARLING'S PEARL-STEARIC
A FREE-FLOWING STEARIC ACID IN BEAD FORM
•
Measures, Weighs, Mixes and Melts Quickly
Also
Slab Stearic Acid
Oleic Acid
Red Oil
Fatty Acids
Glycerine
Pitch—and
Special Fatty Acids for Rubber Compounding
DARLING & COMPANY Manufacturers
42nd & S. Ashland Ave., Chicago 9, Ill.

APEX MARK OF QUALITY
SULPHONATED OILS
Castor - Neatsfoot - Tall
APEX CHEMICAL CO., INC.
Manufacturers Since 1900
221 WEST 24th STREET NEW YORK 1, N. Y.

ISCOOPERATION News
NEW YORK CITY AUGUST, 1949
Call for
ISCO Candelilla Wax
Doubly refined to remove foreign substances. MP 159/160°F. Important constituent of polishes, water-wax emulsions, insulation, sizes, finishes, etc. Covers at a relatively high temperature.
Other Isco Waxes — Carnauba, Montan, Esparto, Beeswax, Ozokerite. Gum Arabic, Gum Tragacanth, Gum Ghatti, Irish Moss, Absorption Bases.
"You'll Like ISCOoperation"
ISCO
INNIS, SPEIDEN & CO.
117 LIBERTY ST., NEW YORK 6
BOSTON CHICAGO CLEVELAND CINCINNATI GLOVERSVILLE PHILADELPHIA
Subsidiary: E. S. Browning Co., San Francisco • Los Angeles

WANTED: A New Home For this GOOD REBUILT EQUIPMENT!

Stokes Freeze-Dry Vacuum Installation
Devine Rot. Jktd. Vacuum Dryer, 4' x 12'
5 Vacuum Shelf Dryers

10 Stainless Steel Centrifugal Extractors from 12" to 60"
2 H. K. Porter S. S. Conical Blenders

6 Stainless Steel Vacuum & pressure Vessels Jktd and Unjktd.-Agitated
15 Hi-Pressure Autoclaves Lab. size to 6' x 21'

AUGUST SPECIAL
Fitzpatrick Comminutors
S. S. Contacts-$400. P. D.
SEPTEMBER SPECIAL
34" P. & F. FILTER PRESSES, Cast Iron, $1,250

12 Abbe & Patterson Ball and Pebble Mills
30 Tablet Presses by Stokes, Colton, Kux.
SEND FOR LATEST LISTS

(F) (M) (C) Nobody BUT Nobody Pays MORE for Your Surplus Equipment

FIRST MACHINERY CORP.
157 Hudson Street,
New York 13, N. Y.

"BUY BRILL"
Buy the BEST

12—Ross Engineering 2-Truck Atmospheric Steam Heated Dryers, 500 sq. ft. each.
1—Tolhurst 40" Suspended centrifugal Monel Basket; perforated with Bottom discharge, m.d.
1—Tolhurst 40" center slung, stainless steel, perforated m.d. Centrifugal.
2—AT&M 30" Suspended Steel Perforated Basket Centrifugals, m.d.
1—AT&M 40" Stainless Steel Suspended Solid Basket Centrifugal, 1800 RPM, m.d.
1—Bird 18"x28" Centrifugal Filter, monel metal.
1—Sharples No. 16V, S.S. Centrifuge.
5—No. 12, No. 10, No. 2 Sweetland Filters.
1—Elmco S.S. 4'x6' Rotary Vacuum Filter.
2—1,000, 500 gal. glass-lined, jacketed, agitated Reaction Kettles.
3—Pfaudler 300 gal. glass-lined Tanks.
25—S.S. Kettles, Tanks, 50 to 500 gals.
4—Dopp 250, 150 gal. Jacketed Kettles.
5—Abbe 6'x8', 5'x6', 4'x5', 3'x4', motor driven porcelain lined Pebble Mills.
1—Patterson 3'x4' Steel Ball Mill.
2—1SH, 2TH Mikro Pulverizers.
1—Jeffrey 20"x24" Type A Hammer Mill.
1—Jay Bee 2UX Hammer Mill, 30HP.
10—Rotex, Ro-Ball Screeners, 20"x48", 40"x 56", 20"x81", 40"x120", single and multiple deck.
1—Devine No. 23 Double Door Vacuum Shelf Dryer, 13—59"x78" shelves.
1—Buflovak 5—42"x42" shelf Vacuum Dryer.
1—Elmco 1½'x1' stainless steel Lab. Rotary Vac. Filter.
2—Baker-Perkins 100 gal. jacketed Mixers, vacuum and atmospheric.
1—Baker-Perkins 4½ gal. Vacuum Mixer.
3—Baker-Perkins Lab. 1 and 2 gal. S.S. Double Arm Jacketed Mixers.
5—Shriver, Sperry, 32", 24", 12" cast iron plate and frame Filter Presses.

COMPLETE LISTINGS — QUOTATIONS SENT ON REQUEST

BRILL EQUIPMENT COMPANY
2401-THIRD AVE.
NEW YORK 51, N. Y.
TELEPHONE CYPRESS 2-5703

Pebble Mills — 18x27", 36x30", 54x60", 72x60", 3'x3', 6'x22" Hardinge Ball Mill.
2 Amer. Exhausters, size 400E No. 60 Clarage.
3 & 10 HP Speed Reducers.
54"x30' Rotary Dryer. 54"x25' Louisville
8 cu. ft. Dry Powder Mixer.
Steam Pumps.
6" Premier Colloid Mill never uncrated.
Buffalo #25, Amer. 400E, 6,000 ft., 9" w/motors.
9x80 Rotary Kilns.
Spencer 150 F., 24 oz.; 400 F., 16 oz.
Wood Filter Press, 42x42—30 P&F.
Filter Presses—C. I., non-washing.
De Laval Speed Reducers, 3 & 5 H.P.

Send for Stock List

LAWLER COMPANY
Durham Ave. & L.V.R.R. Metuchen, N. J.

FOR SALE

DRYERS

1—Proctor & Schwartz Atm. Tray Dryer, 1,030 sq. ft. 4 chambers, steam heated.
1—Natl. Drying Machy. Tunnel Dryer with trucks, 35'-6" long x 9'-3" wide x 9' high; tray capacity 1,680 sq. ft.
4—Vacuum Shelf Dryers; 24 sq. ft., 72 sq. ft., 107 sq. ft., 245 sq. ft.
4—Rotary Vacuum Dryers; 30" x 8', 4'-6" x 31'-6", 7'-6" x 20'.
7—Atm. Double Drum Dryers; 22" x 38", 28" x 60", 32" x 72", 32" x 102".
1—Atm. Twin Drum Dryer; 32" x 52".
3—Vacuum Drum Dryers; 24" x 20", 30" x 30".
1—Atm. Drum Dryer, 60" x 48", stainless.
2—Steam Jacketed Rotary Dryers, 4 sect. 6" x 10'.
1—Steam Jacketed Rotary Dryer, stainless steel, 4 sect. 6" x 10'.
1—Steam Jacketed Rotary Dryer; 2 sect. 10" x 10'.
11—Rotary Hot Air Dryers or Kilns; 1' x 15', 3' x 12', 3' x 20', 4' x 20', 4'-6" x 12', 5' x 40', 5' x 50', 5'-6" x 10', 6' x 50', 7' x 30', 9' x 80'.
12—Rotary Steam Tube Dryers; 4'-6" x 45', 6' x 25', 6' x 30', 6' x 50'.
3—Jacketed and agitated Pan Dryers or Graining Kettles, 5' diameter x 30", 9'-6" diameter x 36".
2—Louisville Cont. Roller Presses, 24" and 36".
1—Davenport Rot. Grains Press 3A.
1—Screw Extractor Press, 12" x 5'.

EVAPORATORS

1—Lawrence Triple Effect, 5,000 sq. ft., steel.
1—Swenson Triple Effect, 6,600 sq. ft., New.
1—Single Effect, steel. 33 sq. ft. coil.
1—Copper Vacuum Pan, 6' diameter, 10' high, with jacket, coils and condenser.
2—Copper Vacuum Stills, 4' diameter, spher. with jacket and agitator.
8—Horizontal Rotary Jacketed Crystallizers, 9'-6" diameter x 18'-6" long stainless lined.

CENTRIFUGES — CENTRIFUGALS

1—AT&M Susp. Basket, 40" diameter, imperf. stainless, new.
6—Basket, bot. Drive—20" to 48".
1—Sharples No. 18V Super cent.
2—DeLaval No. 600 Separators.
1—DeLaval Model AC-VO.

WRITE FOR COMPLETE STOCK LIST
WE BUY SURPLUS EQUIPMENT & COMPLETE PLANTS

PERRY EQUIPMENT CORP.
1507 W. THOMPSON STREET PHILA. 21, PA.

"Consolidated" PRICE RIGHT!
BUY WITH CONFIDENCE IMMEDIATE DELIVERY

1—6' x 4' Oliver ALL STAINLESS STEEL Top Feed ROTARY CONTINUOUS VACUUM FILTER. UNUSED—Never Installed. Intended to filter ammonium sulphate.
1—8' x 12' OLIVER ACID-PROOF FILTER, lead fitted.
2—No. 12 SWEETLAND PRESSURE FILTERS, 36 leaves on 4", also 72 on 2".
3—36" x 36" SPERRY 60-plate FILTER PRESSES, cast iron, recessed, center feed, open delivery, hydraulic closing, hydraulic pumps.
1—KILBY 39" x 39" cast iron FILTER PRESS, washing type, plate and frame, 47 chambers.
1—8' x 125' REEVES ROTARY KILN.
1—2' x 15' ROTARY KILN, experimental, complete.
2—6' x 12' ALLIS CHALMERS ROD MILLS.
1—Double shell direct fired ROTARY DRYER, inner shell 5'6" dia. x 59' long, outer shell 10' dia. x 40'6" long, complete with motor drive, oil burning equipment, instruments and accessories.
1—LOUISVILLE ROTARY STEAM TUBE DRYER, 6' x 50'.
1—ROTARY VACUUM DRYER, 5' x 33'.
3—7,500 gal. STEEL KETTLES, with copper coils, closed. Agitated. 10' dia. x 12'6" deep, 15' overall height.
1—2,000 gal. STEEL KETTLE, jack., open top, agit., 7' dia. x 7'6" deep.
2—BAKER PERKINS MIXERS, size 17. Jacketed, 200 gallon.
1—VACUUM SHELF DRYER, 17 shelves, 40" x 43".
1—No. 4-TH MIKRO PULVERIZER. Rebuilt—available for immediate shipment.
2—200 gal. PATTERSON PEBBLE MILLS, Burrston-lined, 4' x 5', with drives and motor.
1—300 gal. PATTERSON HIGH CHROME MANGANESE BALL MILL, 54" x 54", jacketed, with drive and motor.

ONLY A PARTIAL LISTING

PAY LESS
SAVE CASH
SAVE TIME

THE KEY TO SAVING TIME AND MONEY
CONSOLIDATED PRODUCTS COMPANY, INC.
13-18 PARK ROW, NEW YORK 7, N. Y.—Te: BArclay 7-6600
Shops: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment, N.Y
WANTED—YOUR IDLE MACHINES—SEND LIST NOW
WE BUY AND SELL—FROM SINGLE ITEMS TO COMPLETE PLANTS

YOUR CASH NOW BUYS MORE
ACT!

NEW LOW PRICES

ABSORBER
HCL Alberger, complete unit made of Karbate for 10-ton per day plant. (NEW).

AGITATORS
3—Patterson, s.s., 311 RPM, 1 HP T.E. (NEW).
11—Eastern US-2, s.s. shafts, Hastelloy bearings 1140 RPM 1/3 HP (UNUSED).
1—Lightning s.s. Mod. 33-G100, 1 HP, 423 RPM. (NEW).
2—Simplex Turbo 34" belt drive.
1—Patterson vert. Unipower 10 HP, X.P. motor, 56 RPM output.

AUTOCLAVE
Vert. jacketed 6'x8', stainless steel backed, 40-lb. W.P. ASME.

BLENDERS
2—Copper 20" dia. 20" deep, conical w/¼ HP, 24 RPM drive.
2—Sturtevant BA, 157 cf. cap. 25 HP.

CENTRIFUGES
1—Centrifugal—s.s. 48" bottom discharge.
1—Sharples Super Pressurtite with motor.
1—International 13 litre serum, m.d.

COMPRESSOR
Frick, ammonia, 4x4 Type G.

CONVEYORS
1—Stainless Steel Belt 32" wide, 65' centers.
1—Link belt, Flat, 24" wide, 30' Centers.

CRUSHERS
Abbe, 4-cage, 22"x12"
Abbe, size B Grinder.
Micro No. 2 Hammermill.
Micro Atomizer w/20 HP motor.

DRYERS
1—Spray, Research Equip. Mod. 11, stainless steel.
1—Stokes, Rotary Vacuum 3'x15' complete, including structural steel.
1—Hardinge, single drum, 10'6"x14'5".
1—Phila. Truck 2 compt. 8 trucks.
1—Double drum Atmospheric 28"x60".
5—Salt Dryers, 72"x32'6", monel lined.

FANS & BLOWERS
From 1,000 to 53,000 CFM.
Axial Fans—From 3,000 to 10,000 CFM (NEW).

FEEDERS-VIBRATING
1—Syntron Type F33.
1—Jeffray, 18"x36".
1—Allis-Chalmers, 36"x12"x6'.

FULLER-KINYON SYSTEM
Type H-5, 250' 4" pipe.

FILTERS
1—3'x4' Oliver, continuous, wood drum.
1—5'4"x6' Oliver continuous, wood drum.
1—8'x10' Oliver continuous, wood drum.
2—8'x10' Oliver, precoat bronze drum.
1—4x6 Elmco continuous, s.s. type 316 drum. 115 sq. ft.
1—8x8 Elmco continuous, wood drum.
1—Sweetland No. 12, 72 leaves, 2" spacing.
1—Sweetland No. 12, steel nickel chrome alloy.
1—Shriver 36", 50 Celoron Plates & Frames, 4-eye closed delivery.

MILL
1—Paint Mill, Day 3-roll, 16"x40".

MIXERS
1—No. 3 Super Ajax, 173 gals.
1—Type E, Size 2, Champion, 110 gals.
1—1½ 5A Readco, 88 gals.

OVEN
Plastic Processing, 9 K.W.

PACKAGING EQUIPMENT
1—Model CL, Battle Creek Wrapping Machine, motor drive.
1—Automatic, model N-P Weighing Mach. weighs ¼ oz. to 3# w/motor.
1—NEW Popper & Klein, s.s. automatic Vial Filling Machine w/2 demountable measuring heads for filling 4CC and 20CC vials.

PUMPS
Centrifugal—from 20 to 2,500 gals.
Vacuum, Stokes Mod. 212C, 100 CFM (4)

REACTORS
3—300, 500 and 750 gal. Pfaudler, enameled, jackt'd, ASME (NEW).

SPEED REDUCERS
Ratio 4-1 to 263-1, 3 to 10 HP.
Vari-Speed, ratio 2-1 to 6-1, 3 to 7½ HP.

TANKS
1—2,300 gal. hor. 5'x15'2"x½".
1—3,000 gal. hor. 6'6"x10'x5/16" ASME.
2—4,000 gal. hor. 6'x20'3"x5/16" (NEW).
1—5,000 gal. hor. 6'x25'8"x½" (UNUSED).
2—9,600 gal. vert. 11'x13'9" (NEW).
2—41,000 gal. vert. 12'6"x45'x¼"&5/16".

TANKS—RUBBER LINED
2—25,000 gal. vert. 12'6"x25'x⅜".
1—32,000 gal hor. 12'x36'x7/16".

Heat and Power Co., inc.
70 PINE STREET DIGBY 8-0373 NEW YORK 5, N. Y.

For the Bookshelf

HANDBOOK OF CHEMISTRY AND PHYSICS: A Ready-Reference Book of Chemical and Physical Data. Charles D. Hodgman, M.S., editor in chief. Thirty-first edition. Cloth; xviii+2737 pages. Cleveland, Ohio: Chemical Rubber Publishing Company. $6.

Here it is again—and again bigger and, consequently, more useful. Among other ways, it is new and completely revised by another 180 pages, changed in a hundred other pages, and fixed up with respect to 238 plates which had become a bit worn around the edges. The forty-odd experts who collaborated in its remaking, as is their habit, did a good job.

The format and arrangement of the newest handbook are as per usual. The contents start off with information on antidotes for poisons, what to do with burns and scalds, fire precautions, and chemical hazards. Then come 299 pages of mathematical tables, 1047 pages on properties and physical constants, 218 pages of general chemical tables—fifty-seven of them—206 pages on specific gravity and properties of matter, 158 pages on heat, 24 pages of hygrometric and barometric tables, 5 pages on sound, 84 pages on electricity and magnetism, 313 pages on light (including color), 55 pages on quantities and units, and 194 pages of miscellany, ranging from moments of inertia, through photographic formulas, to effective radii of atoms.

This book is a very big $6 worth.

Detrex Corp. Appoints Four To Consulting, Sales Posts

The Detrex Corporation, Detroit, has combined its industrial product engineering, estimating, quotations, orders and customer field services under the direction of T. J. Kearney, chief engineer of the equipment division. In addition, W. H. Webb has been placed in charge of the alkali and emulsion phases of sales, service and consultation in central United States, and Alan Harris has been named to serve the metal industry in the Detroit area.

The company has also appointed D. E. Williard manager of industrial cleaning equipment and chemical sales for the central region.

OEEC Starts Distributing Technical Committee Reports

The Organization for European Economic Cooperation has commenced distribution of its technical committee reports. Copies of reports now available include those on chemical products, oil, nonferrous metals, textiles, coal and manpower, and others are expected to be issued soon. They may be obtained from the office of information, Economic Cooperation Administration, Washington.

Oil Lands Released by U.S.

Certain public lands located within naval petroleum reserve No. 2, California, were withdrawn from the reserve and made available to the township of Ford under an executive order issued last week by President Truman.

The order stated that it appears from drilling operations that it is unlikely that oil or gas can be obtained in commercial quantities from the shallow zone underlying the town site and that therefore it was in the public interest to make the lands available for townsite purposes.

Outstanding Equipment at the Right Price

1—New Pfaudler Stainless Steel Jacketed Agitated Reactor, 150 gals.
1—New Glasscote 1,000 gal. Jacketed Agitated Glass Lined Reactor.
1—New Pfaudler Glass Lined Reactor, 500 gals.
1—Code Welded Type 316 Stainless Steel Jack. Reactor, 1,000 gals. with Agitator and Exp. Pf. Motor.
1—Stainless Steel 2,500 gal. Vertical Tank with Agitator.
1—Pfaudler 6,000 gal. Horiz. Stainless Steel Tank.
2—Horiz. Steel Storage Tanks, 20,000 gals. ea.
2—Abbe 6' x 8' Buhrstone Lined Pebble Mills.
10—Horiz. Dry Powder Mixers 15# to 2500#.
2—Mikro Model 2TH Pulverizers—10 & 15 H.P.
1—Fowler Stainless Steel 9 Stem Rotary Gal. Filler.
1—Sperry 42" Wood Plate & Frame Filter Press, Hyd. Closure 57 Ch., 1¾" cake.
1—Stokes 30" x 8' Rotary Vacuum Dryer.
12—New 100 gal. Stainless Steel Clad Jack. Kettles.

SEND FOR LATEST BULLETINS

The Machinery and Equipment Corp.
533 West Broadway
New York 12, N. Y. GRamercy 5-6680

PROCESS EQUIPMENT FOR SALE

Inventory Reduction

AGITATOR DRIVES
AIR COMPRESSORS
AUTO CLAVES
BLOWERS
CENTRIFUGALS
CONDENSERS
FILTER PRESSES
KETTLES
MILLS
MIXERS
PUMPS
TANKS

Ask For Stock Sheet "H"

EMSCO EQUIPMENT COMPANY
Affiliate of EMIL A. SCHROTH
73 Hyatt Avenue, Newark 5, N. J.
Phone: Mitchell 2-3536

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

2—Pfaudler Glass Lined Tanks, Horizontal, 500 gallons.

2—Glascote Jacketed Glass lined Kettles, 350 gallons.
1—Glascote Jacketed Glass lined Kettle, 50 gallons.
1—Sharples Pressurite Super Centrifuge, Stainless Steel Bowl.
1—Sperry 18" Aluminum Filter Press.
1—Shriver 42" x 42" Filter Press, hydraulic closing device.
1—Shriver 24" Filter Press.
1—Bird Suspended Stainless Steel Centrifuge, 40" perforated basket.
1—Tolhurst rubber lined suspended type Centrifuge 40" perforated basket.

R. GELB & SONS, INC.
UNION, N. J.
Est. 1886 UNionville 2-4900

Call for Fulton!

for SAFEKEEPING of your PRODUCT

Use famous Fulton WPPL* Textile bags and Fulton Multiwall paper bags.
*Protect against dampness, sifting, evaporation, dissemination or absorption of odors.

Fulton BAG & COTTON MILLS
Atlanta • St. Louis • Dallas
Kansas City (Kans.) • Los Angeles • Denver • New Orleans • Minneapolis
New York

FOR SALE

2—8" x 24" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.
10—8" Premier Colloid Mills.

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
249 Orient Ave., Jersey City 5, N. J.
DElaware 2-6695

GET MORE FOR YOUR SURPLUS EQUIPMENT

List it with our bureau and Sell Directly to the next user.

50,000 Manufacturers Get Our Offerings Regularly

They need such units as FILTER PRESSES - EVAPORATORS STILLS - MIXERS - DRYERS or what have you to sell.

For Quicker Action and Better Price Send Full Details and YOUR Price to

EQUIPMENT FINDERS BUREAU
6 Hubert Street New York 13, N. Y.

OUTSTANDING EQUIPMENT

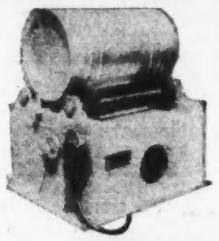
1—Pfaudler 200 gal. vacuum still.
1—Sperry 24" x 24" wood filter press, O. D., 2" chambers.
1—Hastalloy lined 5' x 7' converter with hastalloy coil, agitated.
1—Mikro #2TH pulverizer—motorized.
8—Dry Powder Mixers from 100 lbs. to 3,000 lbs.
2—Devine vacuum shelf dryers—17 shelf 40" x 42" and 4 shelf 40" x 43"—electrically heated with controls.

1—NEW Glascote 2,000 gal. jktd. & agit. vacuum still.
2—Swenson triple effect evaporators.

2—Louisville dryers, 5' x 28' and 6' x 30'.
1—NEW Baker Perkins 100 gal. working cap. mixer—sigma bladed—20 H. P. via reduction drive.

SEND FOR OUR LATEST OFF-THE-PRESS BULLETINS

CHEMICAL & PROCESS MACHINERY CORPORATION
146 GRAND ST. • NEW YORK 13
WOrth 4-8130



DRUM ROLLER

JUST WHAT YOU HAVE WAITED FOR

Adjustable from 2 to 60 gal. drums.

Equipped with 1/2 H.P. single phase motor with Reeves Drive to regulate speed, push button starter, cord & plug.

H. LOEB & SON :-: 4643 LANCASTER AVE. PHILADELPHIA 31, PA.

IN STOCK • PRICES CUT

6—Anderson No. 1 Expellers.
2—Dopp 1,000 gal. Jack. Agit. Kettles. Dopploy Acid Resistant & Iron.
3—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 9 & 0.7 gals.
1—Lehman 4 Roll W.C. 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24".
1—Denver 4'x3' Rotary Vac. Filter, Motor Driven, complete.
4—Allbright-Nell 4'x9' Atmos. Drum Dryers & Flakers.
2—Devine No. 3 Vac. 4 Shelf Dryers.
1—Devine Vac. Shelf Dryer, 7 shelves.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
1—Century "Giant" 2 HP. 4 speed Vert. Mixer.
4—Abbe Pebble Mills, 6'x8', 60"x48".
8—Abbe Jar Mills. Lab. to 2 gal sizes.
1—U. S. Stainless Colloid Mill, 5 HP.
15—Sperry & Shriver, 12", 18", 24", 30", 32" & 42" sq. Iron Filter Presses.
2—Sperry 18" Lead Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
2—Shriver 18" Wood Filter Presses.
6—Tyler 28 Jr. Hummer Screens, 24"x60" & 20"x60" Split Screen.
2—Robinson No. 10 Saw Tooth Crushers.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
5—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40".
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ¼" to 1½".
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
1—Huber 25 ton Para Block Press.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
1—Marco Stainless Homogenizer.
Devine 500, 800 & 1,000 gal. closed steel Kettles & Stills. 250 gal. lead lined kettle
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers, Sifters.
10—Stokes Vert. High Vac. Pumps.
3—Duriron 3"x2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
1—Samco Jr. Vac. Bottle Filler.
20—Stainless, Alum., Copper & Glass-Lined Kettles & Tanks, new & used.
6—Filling, Labeling, Cartoning & Wrapping Machines. Colton Tube Fillers.
15—Port. Elec. Mixers, ¼-2 HP.
3—Rotary Cutters, 5 & 40 HP.
8—Hammer Mills, 3 to 50 HP.
1—Stedman 32" Single Roll Crusher.
6—Centrifugals, 26", 30" & 40".
4—No. 0000 and No. 0 Raymond Mills.
6—Lead & Paste Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
2—DeLaval Mult. Clarifiers, 300 & 361.
Soap Machinery for Toilet, Laundry, etc.

WRITE FOR BULLETIN. WE BUY YOUR SURPLUS MACHINERY.

STEIN EQUIP'T CO.
90 WEST STREET, NEW YORK 6, N. Y.

FOR SALE:

Complete Chemical Plant in Metropolitan Area 10,000 sq. ft. 32,000 gallons liquid storage; Micro Pulverizers; Stainless Steel Jacketed Kettles with Agitators; Mixers; Laboratory; Office etc. Principals only. Box 737—Oil, Paint and Drug Reporter.

FOR SALE

Steel Storage Tanks

6 - 8,000 gallon, Coiled or Non-Coiled TANK CAR TANKS.
13—10,000 gallon, Coiled TANK CAR TANKS.

Available at Once!

COMPLETE TANK CARS

IRON & STEEL PRODUCTS, INC.
13454 S. Brainard Ave., Chicago 33, Ill.
"ANYTHING containing IRON or STEEL"

MODERN CHEMICAL PLANT COMPLETE

Modern one-story masonry bldg. 6,500 sq. ft. on large plot; concrete fl.; high ceilings; HP boilers (oil); elec. hoists; truck loadings;

PLUS

Complete chemical plant "A to Z" glass-lined steel "Pfaudlers"—kettles, pumps, tanks, filters AND fully equipped laboratory.

Union County, New Jersey

J. KISLAK INC.
FOUNDED 1906
Realtors—Exclusive Agents
32 Journal Sq., Jersey City, N. J.
Whitehall 3-7788 Jo. Sq. 2-7100 Market 3-3540

OUR INVENTORIES LOW! WANTED

Chemicals — Drugs — Pharmaceuticals
Dyes — Oils — Waxes — Solvents, etc.
Wastes — Residues — By-Products

Chemical Service Corporation
88 BEAVER STREET, NEW YORK 5, N. Y.
HAnover 2-6970

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE (Not Subject to Agency Commission)

ALL CLASSIFIED ADVERTISEMENTS—$5.00, thirty-six words or less; 85c. for each additional six words or fraction.

NO DISPLAY—First two words printed in bold face type.

COPY DEADLINE—Wednesday Noon Preceding Date of Publication.

AGENCIES OFFERED

Broker or salesman wanted, with good following, able to sell large quantity Italian locust bean gum monthly. Commission. Ameranca Corporation, 70 Wall Street, New York 5, N. Y.

Chemical manufacturer has territory openings in Philadelphia and Chicago areas. Only individual agents or agencies having sales background in pile fabrics and carpet industry need apply. OPD 731.

AGENCIES WANTED

Chemist, going to Europe, can call on your customers. Paris, Belgium, Holland, September 20-30; London after October 1. Flat rate basis. OPD 711.

EQUIPMENT OFFERED

For Sale: Several Day model 43 rubber-bearing powder sifters, complete with 30, 50 and 100 mesh screens and drives, four separations per pass, designed for use in hazardous locations. In good condition. OPD 735.

Stokes high vacuum pumps — 212C, water-cooled, 100 cu. ft.; V-Drive; used 3 months; Satisfaction guaranteed. Price, $349 each. Inspect. American Sales Co., 67 E. 8th St., New York, N. Y. GRamercy 3-1465.

EQUIPMENT WANTED

Stainless Steel Monel or nickel steam jacketed kettle between 100 and 300 gal. capacity. Write price and details. Farboil Co., 801 Key Highway, Balto., Md.

FACILITIES OFFERED

Custom grinding to micron sizes: Pharmaceuticals, food products, abrasives, chemicals, minerals, waxes and resins. Avoid capital expenditures and royalties while developing new product sales. Use our experienced technical staff—micronizing equipment — mixing packaging and shipping facilities. OPD 728.

Chemical Plant — South Jersey location, equipped to store liquids to 200,000 gallons. Also equipped to package in cans and drums all liquids, including mixing, blending, clarifying, decolorizing and deodorizing. Steam, land, building space available. Railroad siding. OPD 710.

Have you a new product you want to put on the market but for which you lack high-grade pulverizing and ball milling equipment? If so, we'd like to discuss the matter with you. OPD 716.

Chemical manufacturing facilities; blending, mixing, crushing and grinding to any fineness; any quantity; competent laboratory control. OPD 709.

Facilities offered for mixing dry chemicals carload and less carload. Also grinding, pulverizing, drying screening and packing done. Experienced capable personnel. Modern plant with rail siding located Metropolitan New York. Reply OPD 688.

LABORATORY OFFERED

Organic chemical laboratory, small, suitable for basic or applied research; also processing. Located in Brooklyn at a very low rental. Equipment transferable. OPD 733.

MATERIALS OFFERED

Oil black pepper, USP; 5 lbs., packed by Magnus, Mabee & Reynard, in original seal container; one pound same material in an opened bottle—price, $55 per pound, f.o.b. Atlanta, Ga. Reply, OPD 727.

Egg Oil: Offering 500 pounds each in 3 colors: light, amber, brown; prompt shipment, packed to suit buyers' requirements. Make offer. OPD 729.

Propylene glycol; spot and future. Albrecht Chemical Co., Inc., 45 West 45th Street, N. Y. C. LUxemburg 2-0480.

6,000 lbs. paraphenylenediamine; 3,000 lbs. magnesium stearate, USP; 100 lbs. camphor mono bromate, USP, below market price, from New York stock. OPD 736.

11,000 lbs. sodium meta borate (Pacific Borax Co.); 15,000 lbs. ammonium acetate, 30%; 4,165 lbs. diethyl cellosolve (Carbide); 12,000 lbs. gum of Shiraz flakes (imported); 1,500 lbs. carboxy methyl cellulose M V; 4,200 lbs. isoquinoline (Barrett-Koppers Tar). Inquire, WOrth 2-6546-7.

MATERIALS WANTED

Wanted: Crude coal tar and water gas tar in quantities. We have facilities for immediate removal. R. R. tank cars, tank trucks, storage tanks; P. S. Kramer, tar refiner, 7 Smith St., Paterson 1, N. J.

MATERIALS WANTED

Wanted: Perchlorethylene or other chlorinated solvents; pure, off-grade or waste material. Have solvent recovering facilities. Will purchase solvent for cash or contract to recover. Universal Western Chemical Corp., 424 Roosevelt, Montebello, Calif.

To manufacturers and jobbers. Are you overstocked? We require immediately, large or small lots many items chemicals, pharmaceuticals, solvents, aromatics, waxes; other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 689.

PLANTS WANTED

Wanted—Complete plants also machinery—large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible. Strictest confidence. Box 694 1474 Broadway, New York 18, N. Y.

POSITIONS OFFERED

Chemist Wanted—Experienced, required by manufacturer of chemical specialties in Baltimore, Md. Permanent position and excellent future for right man. Reply stating age, education, experience, salary acceptable, and complete background. OPD 715.

Chemist-Finisher: Metropolitan New York manufacturer seeking practical man experienced in the manufacture of water soluble pigments, dressings, plastic finishes, binders, etc., for leather, and capable of assuming complete responsibility for department. Should be familiar with problems of finishing various types of leather. An unusual opportunity for the right party. OPD 717.

Pharmacist or chemist with knowledge of Pharmacognosy. Must have heavy experience in assay of botanical drugs, extracts, etc. Location in New York area. Give full details in first letter. All replies held in strict confidence. OPD 732.

Lacquer Technologist: National raw material manufacturer wants man for West Coast technical service laboratory job on lacquer solvents with interest in some outside contact work. Formulating experience (3-5 years) in similar laboratory or lacquer producing plant most desirable. Bachelor's degree in chemistry or chemical engineering required. Must be willing leave West Coast if necessary. OPD 734.

POSITIONS WANTED

New Markets. Export-import man, knows Latin-American, European, Far Eastern markets. Twelve years administrative and selling experience throughout Latin-America; speaks Spanish fluently. Able to invest small capital; seeks connection with future; will relocate. OPD 726.

Organic chemist, 3½ years excellent pharmaceutical and agricultural chemicals development experience, wishes to improve upon present job, in development or sales position with progressive firm having ample advancement opportunities. New Jersey area or Atlantic Seaboard preferred. OPD 730.

SERVICES OFFERED

New products development. Chemist, chemical engineer; experienced, successful, formerly research director large companies. Available for research work, consultation or partnership. OPD 725.

Bids Wanted

Alcohol, 90% technical, 3,520 gallons, Navy Purchasing Office (New York 3) invitation 5485, September 20; dehydrated, 2,880 one-pint bottles, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 23, September 2.

Aluminum sulphate, 80,000 pounds, Navy Purchasing Office (New York 3) invitation 5504, September 21.

Carbon disulphide, as required through March 31, 1950, Veterans Administration (Washington 25) invitation A-13, September 2.

Chemicals, reagents and drugs, including: formaldehyde neutral solution, 6,100 pounds; lubricating jelly, 42,940 four-ounce tubes; magnesia magma USP, 4,800 gallons; sodium hydroxide pellets, 6,720 ¼-pound bottles; sodium nitrite crystals, 11,520 one-ounce bottles; sulphuric acid ACS, 1,500 pounds; tribromoethanol solution and indicator USP; uranyl acetate, reagent grade; Veterans Administration (Washington 25) invitation A-12, September 1.

Chlorine, liquid, 320,000 pounds, Army Engineers Corps (Washington 25) invitation CIVENG-080-23, September 1; 1,350 pounds, Bureau of Reclamation (El Paso, Texas) invitation 2946-M, August 31.

Corn starch, 110,218 pounds, State of New York Division of Standards & Purchase (Albany 1) invitation 1239, September 7; 150,000 pounds, Quartermaster Purchasing Office (Chicago 9) invitation 106, September 21.

Cottonseed oil, 11,431 gallons, State of New York Division of Standards & Purchase (Albany 1) invitation 1239, September 7.

Drugs & sanitary supplies, various, The Panama Canal Medical Section (Washington 25) circular 5669, September 8.

Dry cleaning solvent, large quantity, Armed Services Petroleum Purchasing Agency (Main Navy Building, Washington 25) invitation 50-8, September 13.

Empirin compound, as required through March 31, 1950, Veterans Administration (Washington 25) invitation A-13, September 2.

Ink, litho offset, through October 31, 1950, Coast & Geodetic Survey, Commerce Department (Washington 25) invitation 732, September 9; drawing, waterproof, 200 eight-ounce bottles, translucent, 36 ¾-ounce bottles, Bureau of Federal Supply (New York 13) invitation NY-W-17895, September 2.

Insulating compound, sealing, 5,000 pounds, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 9, September 9; ignition, 19,500 gallons, invitation 23, September 16; 12,100 gallons, invitation 24, September 16.

Isopropyl alcohol, NF, 48,600 gallons, Veterans Administration (Washington 25) invitation A-12, September 1.

Lubricants, various, large quantities, Armed Services Petroleum Purchasing Agency (Main Navy Building, Washington 25) invitation 50-8, September 13.

Molasses, State of New York Division of Standards & Purchase (Albany 1) invitation 1239, September 7.

Motor fuel, large quantities, Armed Services Petroleum Purchasing Agency (Main Navy Building, Washington 25) invitation 50-8, September 13; aviation, 60,000 gallons, from September 1, 1949, through June 30, 1950, invitation 23, August 31.

Muriatic acid, 100,000 pounds, Army Ordnance Department (Picatinny Arsenal, Dover, N. J.) invitation 54, September 19.

Oleomargarine, 169,398 pounds, State of New York Division of Standards & Purchase (Albany 1) invitation 1274, September 1; 2,976 pounds, Federal Prison Industries (427 West Street, New York 14) invitation 5-3309, September 8; 1,344 pounds, Federal Reformatory (Petersburg, Va.) invitation 9-4676, September 6.

Oleovitamin A&D, concentrated, 54,000 50 cc bottles. Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 25, September 12.

Paint, enamel, 23,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 8134, September 7; 90,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 27, September 16; 1,399 gallons, Bureau of Federal Supply (New York 13) invitation NY-W&BO-W-17887, August 31.

Paint, various, 400 gallons, U. S. Air Force (Robins Field, Ga.) invitation 3, September 6; 2,300 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 8119, September 7; 2,675 gallons, Bureau of Federal Supply (New York 13) invitation NY-W&BO-W-17888, September 1; 700 gallons, invitation NY-W&BO-W-17887, August 31.

Paint & varnish remover, 648 gallons, Bureau of Federal Supply (New York 13) invitation NY-W&BO-W-17889, September 2.

Pigments, in oil, 4,800 pounds, Bureau of Federal Supply (New York 13) invitation NY-W&BO-W-17889, September 2.

Potassium chromate, 4,700 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 8191, September 13.

Preservative engine oil, 33,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 15, September 14; 285,500 gallons, invitation 16, September 14.

Propane, industrial, 250,000 gallons, Army Ordnance Department (Detroit Arsenal, Center Line, Mich.) invitation 089-55, September 2.

Resin, thermosetting adhesive, 1,506 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 8173, September 1; alkyd solution, 2,100,100 pounds, invitation 8190, September 6.

Rust preventive, 55,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 13, September 14; 170,500 gallons, invitation 14, September 14.

Scouring compound, 200,000 pounds, Navy Purchasing Office (New York 3) invitation 5510, September 22, 9,600 pounds, Bureau of Federal Supply (Washington 25) invitation 3D-80051-R, August 30.

Silver cyanide, 360 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 8135, September 7.

Skin protective compounds, including, acids and alkalies, 1,500 pounds; adhering and staining compound, 5,000 pounds; hydrocarbon, 8,500 pounds; various deliveries, Navy Purchasing Office (New York 3) invitation 5505, September 21.

Soap, powder, 7,500 pounds, Social Security Administration (Baltimore 2, Md.) invitation SSP-2049, September 2; grit cake, 4,200 pounds, Post Office Department (Washington 25) invitation 960, September 2; laundry, 7,200 pounds, powdered, 6,000 pounds; toilet, 240 gallons, and 1,424 pounds; cleaning paste, 5,000 pounds, Bureau of Federal Supply (Washington 25) invitation 3D-80051-R, August 30.

Sodium bircarbonate, 19,492 pounds, State of New York Division of Standards & Purchase (Albany 1) invitation 1239, September 7.

Superphosphate, as required through December 31, 1949, U. S. Department of Agriculture, Division of Purchase, Sales & Traffic (Washington 25) invitation 45-50, August 30.

Thinner, enamel, 30,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 25, September 16; various, 726 gallons, Bureau of Federal Supply (New York 13) invitation NY-W&BO-W-17889, September 2.

Varnish, various, 918 gallons, Bureau of Federal Supply (New York 13) invitation NY-W&BO-W-17889, September 2.

Xylene ACS, 16,800 pounds, Veterans Administration (Washington 25) invitation A-12, September 1.

Chemical Emulsifiers

—Continued from page 5

ment to act expeditiously in decontrolling fats and oils exports.

The letter was signed by the Washington representatives of the National Independent Meat Packers Association, the Western States Meat Packers Association, and the National Renderers Association.

One of Mr. Sawyer's statements to the committee was that he had held a conference in his office last Winter with a large representative group interested in the inedible fats and oils situation and that "the group was far from unanimous in their views on the subject." The letter said that the statement was misleading in that included in the group were consumers of fats and oils as well as producers and that it was the former group which vigorously opposed decontrol of the inedible products. The producers were unanimous in urging decontrol, it was claimed.

Producers Requested Conference

Mr. Sawyer also testified that he personally determined and proposed late in October or early November, 1948, that certain inedible fats and oils be placed on open end quotas, under which export licenses could be granted freely in reasonable quantities.

The letter stated that during the very period which Mr. Sawyer said he made this determination and decision he had pending before him the request of domestic animal fats producers for a conference and it was common knowledge in the trade and among Mr. Sawyer's fats and oils assistants in the department that the producer group intended to ask for decontrol of the items.

The initial request for the conference was filed with Mr. Sawyer on October 22, the letter stated, and it was not until some five weeks later, on November 30, that Mr. Sawyer consented to the meeting. The letter continued:

"Mr. Sawyer not only failed to inform the groups at the November 30 conference of his determination and proposal for limited decontrol of inedibles, but appeared considerably less than enthusiastic about the whole proposition inasmuch as, when advised by the Department of Agriculture and the State Department that such action should first be reviewed by the International Emergency Food Council, he seemed to have dropped the whole idea completely.

USDA Favored Decontrol

"It strikes us as particularly strange that he could not get Department of Agriculture approval of this, since we were told privately by a responsible source that the department favored such action at that time. So, some months later, and after the damage is done, we find each department contending that it really wanted to decontrol inedibles last fall, but, when the action was most severely needed, they could not get together on it; meanwhile, because of these petty government jealousies, domestic fats and oils producers lost literally millions of dollars which they can never hope to recoup."

Liquefied Petroleum Gas

—Continued from page 5

total national demand. Propane for chemical use amounted to 50.8 percent of the total. Sales in 1948 of 249,653,000 gallons of propane increased 36.9 percent over the 182,388,000 gallons purchased in 1947.

Butane-propane mixtures delivered for chemical raw material decreased about 12 percent in 1948, from 213,083,000 gallons in 1947 to 186,925,000 last year. However, the butane sales more than doubled in 1948, rising to 54,386,000 gallons as compared to sale of 18,796,000 gallons in 1947.

The following table shows the principal uses of liquefied petroleum gas and the amounts sold, in gallons, in 1948 and 1947.

	1948	1947
Butane		
Domestic and Commercial	113,001,000	62,092,000
Gas manufacturing	63,572,000	58,424,000
Industrial plants	66,486,000	61,901,000
Synthetic rubber	194,777,000	187,733,000
Chemical plants	54,386,000	18,796,000
Internal combustion	20,019,000	9,662,000
All other uses	374,000	27,000
Total butane	512,615,000	398,635,000
Propane		
Domestic & Commercial	765,953,000	503,448,000
Gas manufacturing	133,075,000	77,110,000
Industrial plants	112,390,000	83,108,000
Synthetic rubber	4,125,000	4,558,000
Chemical plants	249,653,000	182,388,000
Internal combustion	14,132,000	12,595,000
All other uses	516,000	479,000
Total propane	1,279,744,000	863,686,000
Butane-propane mixtures		
Domestic & Commercial	594,335,000	584,998,000
Gas manufacturing	40,991,000	33,798,000
Industrial plants	35,123,000	28,592,000
Synthetic rubber	26,739,000	9,244,000
Chemical plants	189,925,000	213,083,000
Internal combustion	58,790,000	77,529,000
All other uses	1,534,000	232,000
Total B-P mixture	944,442,000	947,476,000
Total LP-Gas		
Domestic & Commercial	1,473,289,000	1,150,538,000
Gas manufacturing	237,638,000	169,332,000
Industrial plants	213,904,000	173,601,000
Synthetic rubber	225,641,000	201,535,000
Chemical plants	490,964,000	414,267,000
Internal combustion	92,941,000	99,786,000
All other	2,424,000	738,000
Total United States sales	2,736,801,000	2,209,797,000
Exports	45,520,000	53,233,000
Grand total sales	2,782,321,000	2,263,030,000

Spencer Advances Byrd

Spencer Chemical Company, Kansas City, Mo., has appointed Claude J. Byrd assistant sales manager for agricultural chemicals. Mr. Byrd has been fertilizer sales superviser for the past year, and was formerly sales representative for the company in Kansas, Oklahoma and Arkansas.

TRYPSIN 1:400

Well standardized and stable is offered at interesting prices for prompt shipment.

Offers through Box 687
Oil, Paint and Drug Reporter

PHARMACEUTICAL SALES AND DEVELOPMENT

Rapidly growing and progressive mid-western pharmaceutical and chemical manufacturer requires services of skilled sales representative to contact prospective wholesale customers and work them in development of new products. Must have wide experience and good following in drug field and a technical background. We want an aggressive individual with original ideas who can follow the new product from the original inquiry through the laboratory development stages and on to the druggist's shelf. This is a top drawer job with a good salary. Must be willing to travel extensively. Address all inquiries and submit complete details together with photograph to Box 723, Oil, Paint and Drug Reporter.

WANTED! CHEMIST who has developed one or more specialty products with large sales possibilities to industries, agriculture, or government. Old established concern offers salary with royalty proposition. Give information as to purpose for which product is used, and class of trade to whom it would be sold. Box 722, Oil, Paint and Drug Reporter.

Advertising Index

Allaire, Woodward & Co. 59
Allied Asphalt & Mineral Corp. 64
American Key Products, Inc. 37
American Potash & Chemical Corp. 51
Apex Chemical Co., Inc. 71
Arenol Chemical Corp. 52
Armour & Company 48
Arnold-Hoffmann & Co., Inc. 46
Avoset Company 46

Baker, J. T., Chemical Co. 1, 2
Barcan, Irving, Co. 73
Barclay Chemical Co. 64
Barium Reduction Corp. 36
Barnett Laboratories 53
Barrett Division 38, 40
Bay Chemical Co., Inc. 36
Beacon Company 58
Bendix Chemical Corp. 59
Benzol Products Co. 48
Bethlehem Steel Co. 42
Birch-Kline Co., Inc. 66
Bower, Henry, Chemical Mfg. Co. 36
Bowman, Charles, & Co. 50
Brill Equipment Co. 72
Brode Corp., The 71
Bromund, E. A., Company 69
Bush Aromatics, Inc. 61
Bush, W. J., & Co., Inc. 60

Calif. Fruit Growers Exchange, Products Dept. 23
Carbide & Carbon Chemicals Corp. 50
Carey, Philip, Mfg. Co. 50
Celanese Corp. of America, Chemical Div. 76
Centflor Manufacturing Co. 62
Chematar, Inc. 39
Chemical Manufacturing Co. 39
Chemical & Process Machinery Co. 73
Chemical Service Corp. 73
Chemical Solvents, C. P., Inc. 76
Chemical Specialties Co., Inc. 51
Church & Dwight Co., Inc. 34
Colgate-Palmolive-Peet Co. 48
Concord Chemical Co. 42
Conray Products Co. 46
Consolidated Chemical Industries, Inc. 34, 36, 68
Consolidated Products Co., Inc. 72
Cooper, T. G., & Company 70
Cortizas, M., & Company 59
Coupe, Robert A. 36
Cowles Chemical Co. 28

Darling & Co. 71
Darsyn Laboratories, Inc. 53
Dawe's Vitamins, Inc. 49
Devold, Peder, Oil Co., Inc. 49
Dickerson Company 38
Dickinson, J. Q., & Co. 50
Diehl, Wm., & Co. 69
Dodge & Olcott Co. 62, 64
Dodwell & Company, Ltd. 58
Dow Corning Corp. 68
Drum Parts, Inc. 42
Duff Chemical Co., Inc. 36
Dunkel, Paul A., & Co., Inc. 57
Du Pont de Nemours, E. I. & Co., Inc. 1

Elbert & Co., Inc. 36
El Dorado Oil Works 70
Emery Industries, Inc. 69
Empire Chemical Co., Inc. 50
Emsco Equipment Co. 73
Equipment Finders Bureau 73

Filo Color & Chemical Corp. 65
Fine Organics, Inc. 52
Firmenich & Co. 62
First Machinery Corp. 72
Fisher Chemical Co. 76
Florasynth Laboratories, Inc. 60
Fritzsche Brothers, Inc. 60
Fulton Bag & Cotton Mills 73

Gartenberg, H., & Co., Inc. 37
Gelb, R., & Sons, Inc. 73
General Biochemicals, Inc. 71
General Drug Co. 62
Gesell, R., Inc. 52
Goldwynne Chemicals Corp. 13
Gray, William S., & Co. 1
Greeff, R. W., & Co. 18, 35
Gross, A., & Co. 69

Hamilton Laboratories, Inc. 50
Hardesty, W. C., Co. 69
Heat and Power Co., Inc. 72
Heckathorn & Co., Ltd. 59
Hexagon Laboratories, Inc. 49
Heyden Chemical Corp. 25
Hopkins, J. L., & Co. 57
Huisking, Chas. L., & Co., Inc. 49
Hutchinson, D. W., & Co., Inc. 60

Industrial Chemical Sales, Div. West Virginia Pulp & Paper Co. 67
Inland Alkaloid Company 47
Innis, Speiden & Co. 71
International Minerals & Chemical Corp. 39
Iron & Steel Products Co. 73
Irvington Smelting & Refining Works 35

Jones, John Wiley, Co. 59

Katz, Dr. Alexander & Co., Div. of F. Ritter & Co. 61
Kentucky Color & Chemical Co., Inc. 65
Kessler Chemical Co., Inc. 46
Kislak, J. I., Inc. 73
Koch, W. Walter, Co. 37
Kolker Chemical Works, Inc. 39
Koppers Company, Inc. 41
Koster, F. B., Wax Refining Co. 71
Kraft Foods Co. 20

Lack Chemical Co. 49
Lamex Chemical Corp. 52
LaPine, Arthur S., & Co. 36
Lawler Company 72
Lemke, B. L., & Co., Inc. 53
Lever Brothers Company 48
Loeb, H., & Son 73
Lucidol Corp. 68

Maas A. R., Chemical Co. 37
Machinery & Equipment Corp. 73
Magnus, Mabee & Reynard, Inc. 60
Mallinckrodt Chemical Works. 19, 66
Malmstrom, N. I., & Co. 71
Maneely Chemical Co. 30
Mantrose Corporation. 64
McCarthy Chemical Co. 44
McKesson & Robbins, Inc. 47
Merchants Chemical Co. 34
Merck & Co., Inc. 8
Metalsalts Corp. 53
Meyer, George D., Co. 45
Miel, George A., Co., Inc. 71
Mineral Pigments Corp. 65
Monsanto Chemical Co. 65
Montrose Chemical Co. 18
Munn, W. A., & Co. 40
Mutual Chemical Co. of America 15

National Milk Sugar Co. 50
Natural Products Refining Co. 37
Neuberg, William D., Co. 11
Neville Company 76
New Jersey Zinc Company 31
N. Y. Quinine & Chemical Works, Inc. 6
Niagara Alkali Company 21
Norda Essential Oil & Chemical Co., Inc. 61

Ohio-Apex, Inc. 66
Old Dutch Mustard Co. 59
Orbis Products Corp. 38
Ortho Chemical Corp. 48
Osborn, C. J., Co. 64

Pacific Coast Borax Co. 1
Page, Chas., & Co., Inc. 42
Pan American Chemicals Div. 44
Parsons, M. W. 65
Penick, S. B., & Co. 56
Pennsylvania Industrial Chem. Corp. 63
Pennsylvania Refining Company 45
Perry Equipment Corp. 72
Pfaltz & Bauer, Inc. 53
Pfizer, Chas., & Co., Inc. 33
Pittsburgh Coke & Chemical Co. 76
Pittsburgh Plate Glass Co., Columbia Chemical Div. 26, 34
Pittsburgh Plate Glass Co., Corona Chemical Div. 52
Prentiss, R. J., & Co., Inc. 58
Prior Chemical Corp. 1
Procter & Gamble 48

Read, Chas. L., & Co., Inc. 36
Reade Manufacturing Co., Inc. 64
Republic Steel Corp. 41
Riches-Nelson, Inc. 76
Richmond Chemical Co. 48
Richter, Gedeon, Pharmaceutical Prods., Inc. 75
Rosenthal Bercow Co., Inc. 76
Roure-Du Pont, Inc. 61
Rufert Chemical Co. 70

Santonine Co. of America 49
Schieffelin & Co. 50
Schimmel & Co., Inc. 62
Seldner & Enequist, Inc. 49
Senn, George, Inc. 66
Sergeant, E. M., Pulp & Chemical Co. 35
Sharples Chemicals Inc. 1
Sheffield Farms Co., Inc. 54
Shell Chemical Corp. 29
Shell Oil Co., Inc. 45
Smith, George F. 35
Smith, J. Lee, & Co., Inc. 64
Smith, Kline & French Labs. 46
Solvay Sales Div., Allied Chemical & Dye Corp. 27
Spencer Chemical Co. 39
Staley, A. E., Mfg. Co. 50
Standard Drug Co., Inc. 75
Stauffer Chemical Co. 10
Steers, Limited 48
Stein Equipment Co. 73
Strong Cobb, Inc. 17
Synthetic Products Co. 63

Texas Gulf Sulphur Co., Inc. 38
Thompson-Hayward Chemical Co. 35
Thurston & Braidich 59

Ultra Penn Refining Co. 44
Ungerer & Company 61
Union Bag & Paper Corp. 67
Union Carbide & Carbon Corp. 50
U. S. Steel Products Co. 43
United States Potash Co., Inc. 38

van Ameringen-Haebler, Inc. 62
Velsicol Corp. 45
Verona Chemical Co. 62
Virginian Gasoline & Oil Co. 45
Vitamerican Oil Corp. 53

Wallace & Tiernan 53
Welch, Holme & Clark Co., Inc. 70
Western Condensing Co. 52
Wharry, G. A., & Co. 76
Wilson-Martin Div. 69
Wirz, A. H., Inc. 12
Witco Chemical Company 14
Wolf, Jacques, & Co. 39
Woodward Iron Co. 42

Young, The J. S., Company 54

Zink & Triest Co. 59
Zinsser & Co., Inc. 37

Cochrane Advances Applebaum

Cochrane Corporation, Philadelphia, has made Samuel P. Applebaum manager of its cold process water treating division. Mr. Applebaum is vice-president of Liquid Condition Corporation, an operating subsidiary of Cochrane. He was formerly vice-president of Permutit Company.

Trade Briefs

Dr. Harris L. Friedman has been appointed director of laboratories of Lakeside Laboratories, Inc., Milwaukee.

Hardings Company, York Pa., has issued a new catalog on its line of "Ruggles-Coles" rotary dryers, kilns and coolers.

Yale & Towne Manufacturing Company, Philadelphia, has published a new catalog on its "Little King" bench scale line. It is designated bulletin P1159.

PRODUCERS FOR OVER 50 YEARS
of
Standardized and Biologically Controlled

GLANDULAR PRODUCTS
and
HORMONES

GEDEON RICHTER

GEDEON RICHTER PHARMACEUTICAL PRODUCTS INC.
20 Exchange Place, New York 5, N. Y.
HAnover 2-5898 Cable—Lecithin

London N. W. 5 14-18 Weedington Rd.
Cable—Lecithin

Mexico, D.F. Blvd. Miguel Cervantes Saavedra 5
Cable—Prorich

PHARMACEUTICAL TRUST LTD.
14-18 High Holborn London W.C.1, England
Cable Address—Pharmeheib London

Standardized
pharmaceuticals
and specialties

packaged or in bulk

All fluid extracts . . . U.S.P., N.F., or your own special formulas . . . manufactured directly from the crude drugs. Our ultra-modern equipment and unsurpassed know-how assure you of prompt deliveries at exceptionally attractive prices.

Write for latest price list

Lower Prices!
TR. BENZOIN COMPOUND
SYR. SOUR CHERRY, N. F.

☐ Mild Tr. Iodine, U.S.P.
☐ Stronger Tr. Iodine, N.F.
☐ Camphorated Oil, U.S.P.
☐ Tr. Green Soap, U.S.P.
all other tinctures and elixirs

Standard Drug Company, Inc.
MANUFACTURERS of PHARMACEUTICALS and SPECIALTIES
285-295 Badger Avenue • Newark 8, New Jersey

PETROLEUM EXTENDERS

Textile Spirits - Lactol Spirits - Benzol - Toluol - Xylol

CHEMICAL SOLVENTS INCORPORATED

WOrth 2-7763 • MArket 2-3650 60 PARK PLACE NEWARK 2, N. J.

DEPENDABLE and CONSTANT SOURCE

for immediate deliveries of —

ROSINS GUM and WOOD all grades

PROCESSED ROSINS AND RESINS

PINE OIL · TURPENTINE · TERPENES

You can depend on WHARRY for:

—fine quality chemicals processed under strict quality controls to meet your specifications accurately.

—immediate shipment in commercial quantities from a source you can depend on. Our Technical Service is at your service.

G. A. Wharry & CO., INC.

95 Broad Street, New York 4, N. Y.

PHILADELPHIA 2, PA. 1 S. 15th Street

CHICAGO 17, ILL. 9340 Commercial Ave.

TETRASODIUM PYROPHOSPHATE

Powdered and Granular

SODIUM TRIPOLY PHOSPHATE

Powdered and Granular

RN

RICHES-NELSON, INC.

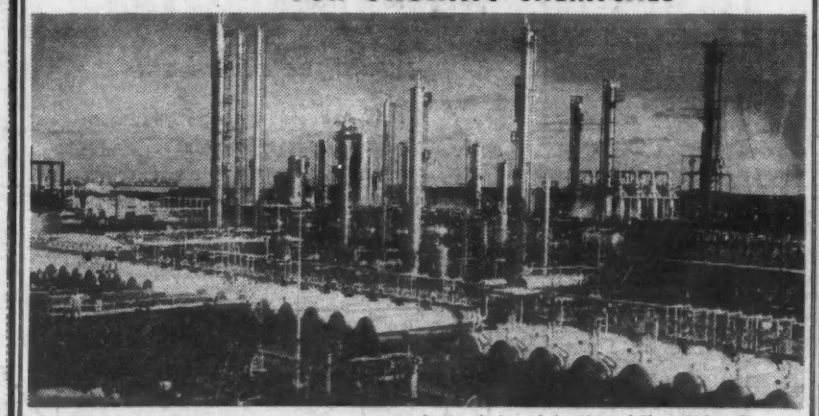
Chemicals and Allied Products

342 MADISON AVENUE NEW YORK 17, N. Y.

TEL. MURRAY HILL 7-7267 CABLE RICHELCHEM, N. Y.

LOOK TO **Celanese**

FOR ORGANIC CHEMICALS



Sectional view of the Chemcel Plant, Bishop, Texas.

FORMALDEHYDE
ACETALDEHYDE
PROPIONALDEHYDE
ACETIC ACID
ACETONE
METHYLAL
METHANOL
n-PROPYL ALCOHOL
BUTYL ALCOHOLS
TRICRESYL PHOSPHATES
SPECIAL SOLVENTS

Celanese® CHEMICALS

CELANESE CORPORATION OF AMERICA

Chemical Division

180 Madison Avenue, New York 16, N. Y.

*Reg. U. S. Pat. Off.

NATURAL REFINED

CAMPHOR

POWDER — TABLETS

ROSENTHAL BERCOW CO., INC.

Drugs Chemicals Oils Waxes

25 EAST 26th STREET, NEW YORK 10, N. Y.

Cable Address "RODRUG" All Codes

Pittsburgh Industrial Chemicals

AROMATIC HYDROCARBONS · TAR ACIDS—PHENOL, CRESOLS · SULPHURIC ACID—ALL GRADES · TAR, PITCH and CREOSOTE · SULPHATE OF AMMONIA · TAR BASES—PYRIDINE, PICOLINES SODIUM CYANIDE · SODIUM THIOCYANATE · ACTIVATED CARBONS

Phone ATLANTIC 2290

PITTSBURGH COKE & CHEMICAL CO.

GRANT BUILDING · PITTSBURGH 19, PA.

NEVILLE **COUMARONE RESINS**

THE NEVILLE COMPANY

PITTSBURGH · PA.

ANISIC ALDEHYDE

(Aubepine Liquid)

EUGENOL, USP

PHARMACEUTICALS

FINE AND HEAVY CHEMICALS

DYE INTERMEDIATES

Fisher CHEMICAL COMPANY, Inc.

60 E. 42nd STREET, NEW YORK 17, N. Y. • MUrray Hill 2-2587-8-9

Cable Address: PHARCHEM

INC.

one
ANTIC
290

S

INC.
8-9